B&A Buys & Associates, Inc.
Environmental Consultants

300 E. Mineral Ave., Suite 10
Littleton, CO 80122-2631
303/781-8211 303/781-1167 Fax

October 30, 2006

Mrs. Diana Whitney
State of Utah
Division of Oil Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Permit to Drill—Dominion Exploration & Production, Inc.
KC 15-32E:
Surface Location: 1,289' FSL & 2,028' FEL, NW/4 SE/4,
Target Location: 700' FSL & 1,950' FEL, SW/4 SE/4,
Section 32, T10S, R19E, SLB&M, Uintah County, Utah

Dear Mrs. Whitney:

On behalf of Dominion Exploration & Production, Inc. (Dominion), Buys & Associates, Inc. respectfully submits the enclosed original and one copy of the Application for Permit to Drill (APD) for the above referenced State administered directional well. A request for exception to spacing (R649-3-11) is hereby requested based on topography since the well is located within 460' of the drilling unit boundary. Dominion Exploration & Production, Inc. is the only owner and operator within 460' of the proposed well and all points along the intended well bore path. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats, layouts and photos of the proposed well site;

Exhibit "B" - Proposed location maps with access and utility corridors;

Exhibit "C" - Production site layout;

Exhibit "D" - Drilling Plan with Directional Drilling Survey;

Exhibit "E" - Surface Use Plan;

Exhibit "F" - Typical BOP and Choke Manifold diagram.

Please accept this letter as Dominion's, written request for confidential treatment of all information contained in and pertaining to this application.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Carla Christian of Dominion at 405-749-5263 if you have any questions or need additional information.

Sincerely,

Don Hamilton

Don Hamilton
Agent for Dominion

cc: Fluid Mineral Group, BLM—Vernal Field Office
Carla Christian, Dominion
Ken Secrest, Dominion

ORIGINAL

CONFIDENTIAL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: ML-047059	6. SURFACE: State
7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
8. UNIT or CA AGREEMENT NAME: Undesignated	
9. WELL NAME and NUMBER: KC 15-32E	
10. FIELD AND POOL, OR WILDCAT: Natural Buttes	
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 32 10 19 S	
12. COUNTY: Uintah	13. STATE: UTAH

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐

2. NAME OF OPERATOR: Dominion Exploration & Production, Inc.

3. ADDRESS OF OPERATOR: 14000 Quail Sp Pkwy CITY Oklahoma City STATE OK ZIP 73134 PHONE NUMBER: (405) 749-5263

4. LOCATION OF WELL (FOOTAGES) 602349X 4417108Y 39.899758 -109.802762
AT SURFACE: 1,289' FSL & 2,028' FEL, NW/4 SE/4,
AT PROPOSED PRODUCING ZONE: 700' FSL & 1,950' FEL, SW/4 SE/4,
602373X 4416928Y 39.898141 -109.802517

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 14.65 miles southwest of Ouray, Utah

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
1,289'	560	40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
25'	10,084	SITLA Blanket 76S 63050 361
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
5,366'	7/15/2007	14 days

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8"	H-40 ST	48#	500	see Drilling Plan
12-1/4"	9-5/8"	J-55 ST	36#	3,184	see Drilling Plan
7-7/8"	5-1/2"	Mav 80 L	17#	10,084	see Drilling Plan
					(10,000' TVD)

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☐ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

CONFIDENTIAL

NAME (PLEASE PRINT) Don Hamilton TITLE Agent for Dominion Exploration & Production, Inc.

SIGNATURE Don Hamilton DATE 10/30/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-047-38782

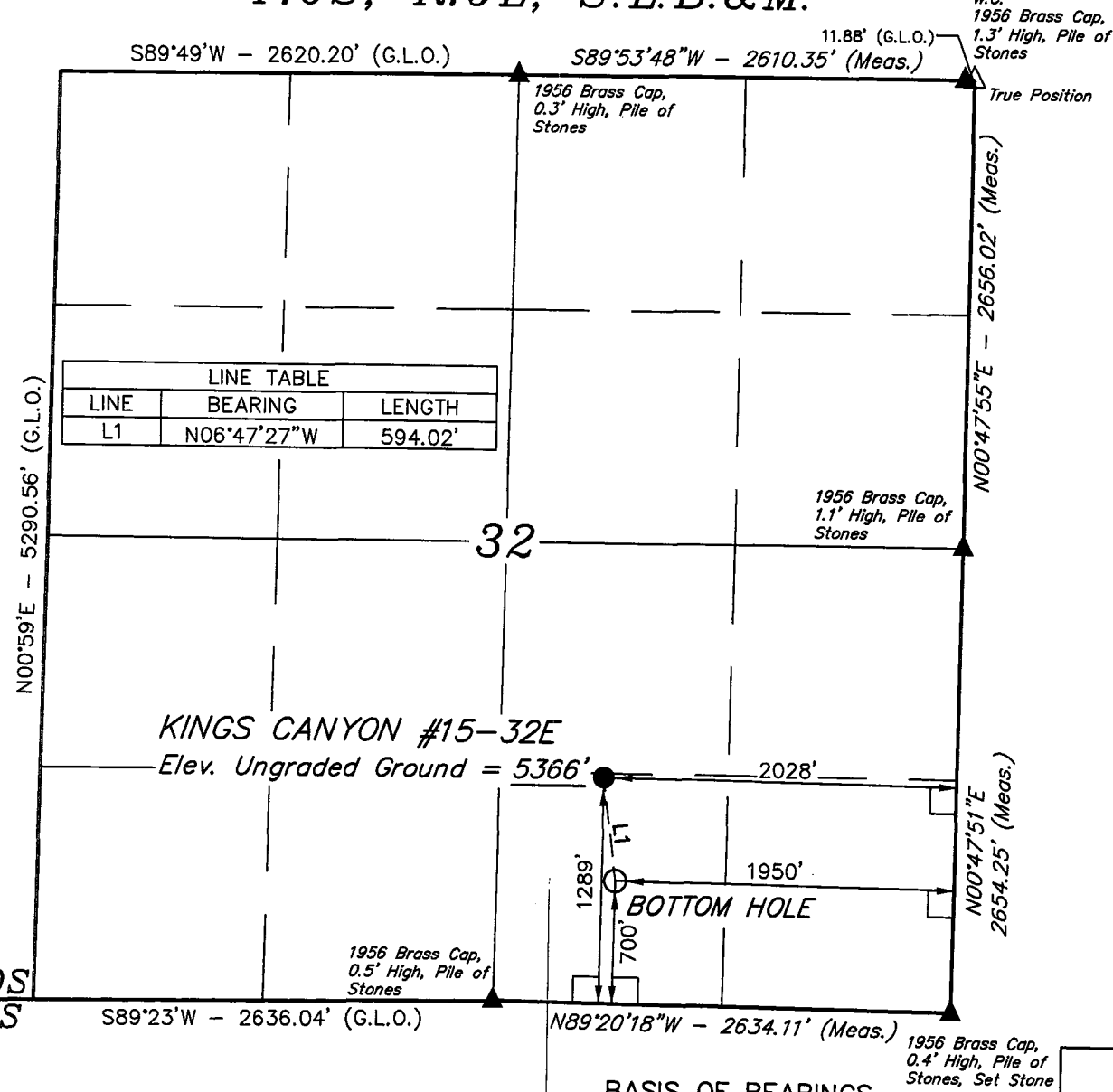
Approved by the
Utah Division of
Oil, Gas and Mining
APPROVAL

Date: 12-21-06
(See Instructions on Reverse Side)
By:

RECEIVED
NOV 01 2006
DIV. OF OIL, GAS & MINING

(11/2001)

T10S, R19E, S.L.B.&M.

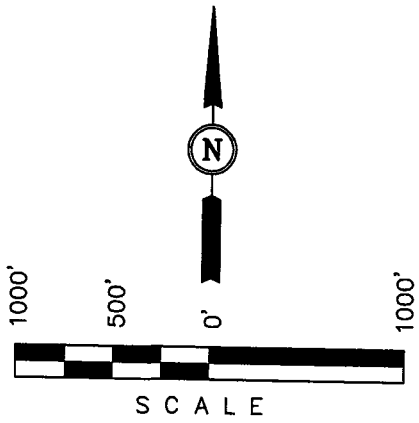


DOMINION EXPLR. & PROD., INC.

Well location, KINGS CANYON #15–32E, located as shown in the SW 1/4 SE 1/4 of Section 32, T10S, R19E, S.L.B.&M., Uintah County Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 20, T10S, R20E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN. NW QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5251 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

(NAD 83)
LATITUDE = 39°53'59.37" (39.899825)
LONGITUDE = 109°48'12.39" (109.803442)
(NAD 27)
LATITUDE = 39°53'59.50" (39.899861)
LONGITUDE = 109°48'09.88" (109.802744)

LEGEND:

- └ = 90° SYMBOL
- ● = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST – VERNAL, UTAH 84078
(435) 789–1017

SCALE: 1" = 1000'		DATE SURVEYED: 05–19–06	DATE DRAWN: 05–24–06
PARTY: B.B. T.A. A.S. L.K.		REFERENCES: G.L.O. PLAT	
WEATHER: WARM		FILE: DOMINION EXPLR. & PROD., INC	

DRILLING PLAN

APPROVAL OF OPERATIONS

Attachment for Permit to Drill

Name of Operator:	Dominion Exploration & Production
Address:	14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134
Well Location:	Kings Canyon 15-32E SHL: 1289' FSL & 2028' FEL Section 32-10S-19E BHL: 700' FSL & 1950' FEL Section 32-10S-19E Uintah County, UT

1. GEOLOGIC SURFACE FORMATION — Uintah

2. ESTIMATED DEPTHS OF IMPORTANT GEOLOGIC MARKERS

Formation	Depth
Wasatch Tongue	3,939'
Green River Tongue	4,279'
Wasatch	4,419'
Chapita Wells	5,309'
Uteland Buttes	6,669'
Mesaverde	7,544'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER. OIL, GAS OR MINERALS

Formation	Depth	Type
Wasatch Tongue	3,939'	Oil
Green River Tongue	4,279'	Oil
Wasatch	4,419'	Gas
Chapita Wells	5,309'	Gas
Uteland Buttes	6,669'	Gas
Mesaverde	7,544'	Gas

4. PROPOSED CASING PROGRAM

All casing used to drill this well will be new casing.

Type	Size	Weight	Grade	Conn.	Top	Bottom	Hole
Surface	13-3/8"	48.0 ppf	H-40	STC	0'	500'	17-½"
Intermediate	9-5/8"	36.0 ppf	J-55	STC	0'	3,184'	12-1/4"
Production	5-1/2"	17.0 ppf	MAV-80	LTC	0'	10,084'	7-7/8"

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL

Surface hole: No BOPE will be utilized.

Intermediate hole: To be drilled using a diverter stack with rotating head to divert flow from rig floor.

Production hole: Prior to drilling out the intermediate casing shoe, 3,000 psi or greater BOP equipment will be installed. The pipe rams will be operated at least once per day from surface to total depth. The blind rams will be tested once per day from surface to total depth if operations permit.

DRILLING PLAN

APPROVAL OF OPERATIONS

A diagram of the planned BOP equipment for normal drilling operations in this area is attached. As denoted there will be two valves and one check valve on the kill line, two valves on the choke line, and two adjustable chokes on the manifold system. The BOP "stack" will consist of two BOP rams (1 pipe, 1 blind) and one annular type preventer, all rated to a minimum of 3,000 psi working pressure.

The BOP equipment will be pressure tested prior to drilling out surface casing shoe and anytime a new casing string is set.. All test pressures will be maintained for fifteen (15) minutes without any significant pressure decrease. Clear water will be circulated into the BOP stack and lines prior to pressure testing. The following test pressures will be used as a minimum for various equipment items.

1.	Annular BOP	1,500 psi
2.	Ram type BOP	3,000 psi
3.	Kill line valves	3,000 psi
4.	Choke line valves and choke manifold valves	3,000 psi
5.	Chokes	3,000 psi
6.	Casing, casinghead & weld	1,500 psi
7.	Upper kelly cock and safety valve	3,000 psi
8.	Dart valve	3,000 psi

6. MUD SYSTEMS
   - An air or an air/mist system may be used to drill to drill the surface hole until water influx becomes too great.
   - KCL mud system will be used to drill well.
   - The mud system will be monitored manually/visually.

Depths	Mud Weight (ppg)	Mud System
0' – 500'	8.4	Air foam mist, no pressure control
500' – 3,184'	8.6	Fresh water, rotating head and diverter
3,184' – 10,084'	8.6	Fresh water/2% KCL/KCL mud system

7. BLOOIE LINE
   - An automatic igniter will not be installed on blooie line. The blooie will have a contant ignition source.
   - A "target tee" connection will be installed on blooie line for 90° change of directions for abrasion resistance.
   - "Target tee" connections will be a minimum of 50' from wellhead.
   - The blooie line discharge will be a minimum of 80' from the wellhead.

8. AUXILIARY EQUIPMENT TO BE USED
   a. Kelly cock.
   b. Full opening valve with drill pipe connection will be kept on floor. Valve will be used when the kelly is not in string.

9. TESTING. LOGGING, AND CORING PROGRAMS TO BE FOLLOWED
   - A drillstem test in the Wasatch Tongue is possible.
   - One electric line wire-log will be run from total depth to intermediate casing.
   - The gamma ray will be left on to record from total depth to intermediate casing.
   - Other log curves (resistivities, porosity, and caliper) will record from total depth to intermediate casing.
   - A dipmeter, percussion cores, or rotary cores may be run over selected intervals.

10. ANTICIPATED ABNORMAL PRESSURES OR TEMPERATURES EXPECTED
    - Expected BHP 1,500–2,000 psi (lower than normal pressure gradient).
    - No abnormal temperature or pressures are anticipated.
    - The formations to be penetrated do not contain known H2S gas.

11. WATER SUPPLY
    - No water pipelines will be laid for this well.
    - No water well will be drilled for this well.
    - Drilling water for this will be hauled on the road(s) shown in Attachment No. 3.
    - Water will be hauled from: Water Permit # 43-10447 Section 9, Township 8 South, Range 20 East

DRILLING PLAN

APPROVAL OF OPERATIONS

12. CEMENT SYSTEMS

a. Surface Cement:

- Drill 17-½" hole to 500' and cement 13-3/8" to surface with 450 sks class "C" cement with 2% $CaCl_2$ and 1/4 #/sk. Polyflake (volume includes 70% excess). Top out as necessary. Casing to be centralized with a total of 5 centralizers.

b. Intermediate Casing Cement:

- Drill 12-1/4" hole to 3,184'±, run and cement 9-5/8" to surface.
- Pump 20 bbls lightly weighted water spacer followed by 5 bbls fresh water. Displace with any available water.
- Casing to be run with: a) guide shoe b) insert float c) three (3) centralizers, one on each of first 3 joints d) stop ring for plug one joint off bottom e) bottom three joints thread locked f) pump job with bottom plug only. Casing to be centralized with a total of 15 centralizers.
- Cement to surface not required due to surface casing set deeper than normal.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	371	0'–2,684'	10.5 ppg	4.14 CFS	878 CF	1,537 CF
Tail	254	2,684'–3,184'	15.6 ppg	1.2 CFS	174 CF	304 CF

Intermediate design volumes based on 75% excess of gauge hole.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 4.14 cf/sack Slurry weight: 10.5 #/gal.
Water requirement: 26.07 gal/sack
Compressives @ 110°F: 72 psi after 24 hours

Tail Mix: Class "G" Cement, 1/4 lb/sk Cellophane Flakes + 2% bwoc Calcium Chloride + 46.5% fresh water.
Slurry yield: 1.20 cf/sack Slurry weight: 15.6 #/gal.
Pump Time: 1 hr. 5 min. @ 110 °F.
Compressives @ 110 °F: 2,500 psi after 24 hours

c. Production Casing Cement:

- Drill 7-7/8" hole to 10,084'±, run and cement 5 1/2".
- Pump 20 bbl Mud Clean II unweighted spacer, followed by 20 Bbls fresh H20 spacer.
- Displace with 2% KCL.
- Production casing to be centralized with 30 centralizers.

Type	Sacks	Interval	Density	Yield	Hole Volume	Cement Volume
Lead	90	3,619'–4,419'	11.5 ppg	3.12 CFS	139 CF	277 CF
Tail	1130	4,419'–10,084'	13.0 ppg	1.75 CFS	981 CF	1963 CF

Production design volumes based on 35% excess of gauge hole. Actual volumes will be calculated from caliper log to bring lead cement to 800' above top of Wasatch + 15% excess, and tail cement to top of Wasatch +15%.

Lead Mix: Halliburton Prem Plus V blend. Blend includes Class "C" cement, gel, salt, gilsonite, EX-1 and HR-7.
Slurry yield: 3.12 cf/sack Slurry weight: 11.60 #/gal.
Water requirement: 17.71 gal/sack
Compressives @ 130°F: 157 psi after 24 hours

Tail Mix: Halliburton HLC blend (Prem Plus V/JB flyash). Blend includes Class "G" cement, KCl, EX-1, Halad 322, & HR-5.
Slurry yield: 1.75 cf/sack Slurry weight: 13.00 #/gal.
Water requirement: 9.09 gal/sack
Compressives @ 165°F: 905 psi after 24 hours

13. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS

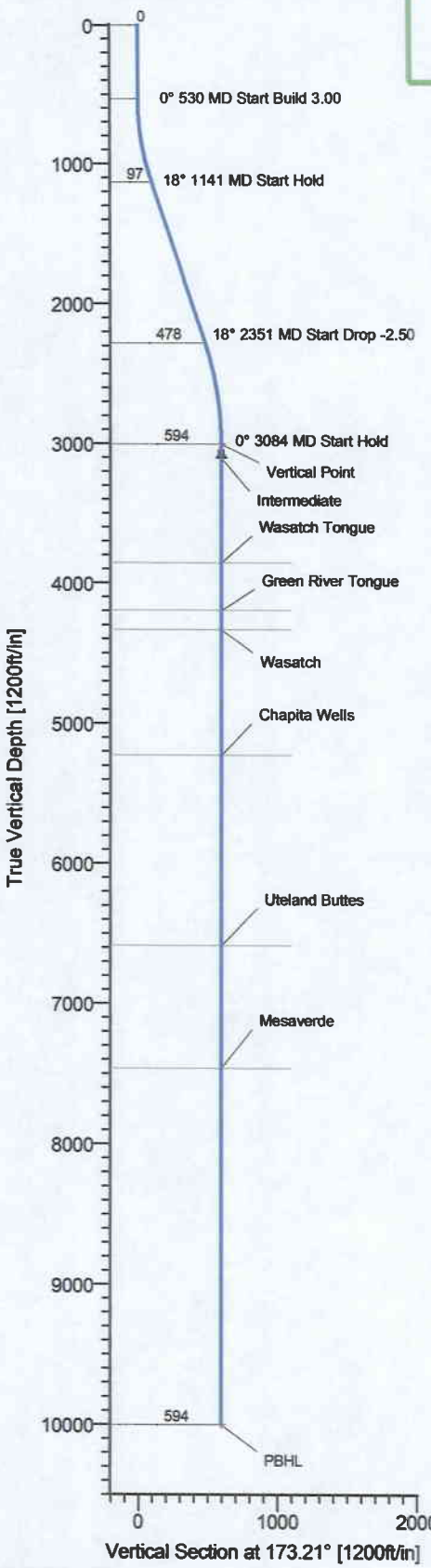
Starting Date: July 15, 2007
Duration: 14 Days

Dominion Exploration & Production

Field: Uintah County, Utah
Site: KC 15-32E
Well: Well #15-32E
Wellpath: Original Hole
Plan: Plan #1

Azimuths to True North
Magnetic North: 11.77°

Magnetic Field
Strength: 52751nT
Dip Angle: 65.85°
Date: 10/20/2006
Model: igrf2005



FIELD DETAILS

Uintah County, Utah
Utah - Natural Buttes
USA

Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: Utah, Central Zone
Magnetic Model: igrf2005

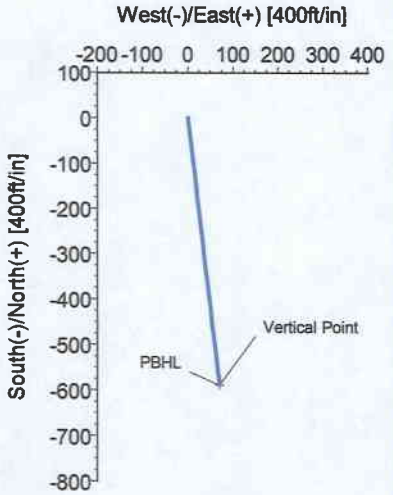
System Datum: Mean Sea Level
Local North: True North

SITE DETAILS

KC 15-32E
Section 32, T10S, R19E, S.L.B. & M.
Uintah County, Utah

Site Centre Latitude: 39°53'59.370N
Longitude: 109°48'12.390W

Ground Level: 5365.00
Positional Uncertainty: 0.00
Convergence: 1.09



WELLPATH DETAILS

Original Hole

Rig:
Ref. Datum: SITE 5385.00ft

V.Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
173.21°	0.00	0.00	10000.00

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
Well #15-32E	0.00	0.00	7136763.33	2116351.23	39°53'59.370N	109°48'12.390W	N/A

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
Vertical Point	3000.00	-589.85	70.24	Point
PBHL	10000.00	-589.85	70.24	Point

FORMATION TOP DETAILS

No.	TVDPath	MDPath	Formation
1	3855.00	3939.29	Wasatch Tongue
2	4195.00	4279.29	Green River Tongue
3	4335.00	4419.29	Wasatch
4	5225.00	5309.29	Chapita Wells
5	6585.00	6669.29	Uteland Buttes
6	7460.00	7544.29	Mesaverde

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	173.21	0.00	0.00	0.00	0.00	0.00	0.00	
2	530.00	0.00	173.21	530.00	0.00	0.00	0.00	0.00	0.00	
3	1141.37	18.34	173.21	1130.98	-96.34	11.47	3.00	173.21	97.02	
4	2350.94	18.34	173.21	2279.11	-474.29	56.48	0.00	0.00	477.64	
5	3084.29	0.00	173.21	3000.00	-589.85	70.24	2.50	180.00	594.02	Vertical Point
6	10084.29	0.00	173.21	10000.00	-589.85	70.24	0.00	173.21	594.02	PBHL

Ryan Energy Technologies
19510 Oil Center Blvd
Houston, TX 77073
Ph: 281-443-1414
Fx: 281-443-1676

Ryan The Leader in Underground Intelligence™

Plan: Plan #1 (Well #15-32E/Original Hole)
Created By: Alexis Gonzalez Date: 10/20/2006
Checked: _____ Date: _____
Reviewed: _____ Date: _____
Approved: _____ Date: _____

Ryan Energy Technologied
Planning Report

Company:	Dominion Exploration & Product	**Date:**	10/20/2006	**Time:** 09:59:05	**Page:** 1
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: Well #15-32E, True North		
Site:	KC 15-32E	**Vertical (TVD) Reference:**	SITE 5385.0		
Well:	Well #15-32E	**Section (VS) Reference:**	Well (0.00N,0.00E,173.21Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #1		

Field: Uintah County, Utah
Utah - Natural Buttes
USA

Map System: US State Plane Coordinate System 1983 — **Map Zone:** Utah, Central Zone
Geo Datum: GRS 1980 — **Coordinate System:** Well Centre
Sys Datum: Mean Sea Level — **Geomagnetic Model:** igrf2005

Site: KC 15-32E
Section 32, T10S, R19E, S.L.B. & M.
Uintah County, Utah

Site Position:	**Northing:**	7136763.33 ft	**Latitude:**	39 53 59.370 N	
From: Geographic	**Easting:**	2116351.23 ft	**Longitude:**	109 48 12.390 W	
Position Uncertainty:	0.00 ft		**North Reference:**	True	
Ground Level:	5365.00 ft		**Grid Convergence:**	1.09 deg	

Well: Well #15-32E — **Slot Name:**

Well Position:	+N/-S	0.00 ft	**Northing:**	7136763.33 ft	**Latitude:**	39 53 59.370 N
	+E/-W	0.00 ft	**Easting :**	2116351.23 ft	**Longitude:**	109 48 12.390 W
Position Uncertainty:		0.00 ft				

Wellpath: Original Hole — **Drilled From:** Surface
Tie-on Depth: 0.00 ft
Current Datum: SITE — **Height** 5385.00 ft — **Above System Datum:** Mean Sea Level
Magnetic Data: 10/20/2006 — **Declination:** 11.77 deg
Field Strength: 52751 nT — **Mag Dip Angle:** 65.85 deg

Vertical Section: Depth From (TVD) ft	+N/-S ft	+E/-W ft	Direction deg
10000.00	0.00	0.00	173.21

Plan: Plan #1 — **Date Composed:** 7/31/2006
Version: 1
Principal: Yes — **Tied-to:** From Surface

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	173.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
530.00	0.00	173.21	530.00	0.00	0.00	0.00	0.00	0.00	0.00	
1141.37	18.34	173.21	1130.98	-96.34	11.47	3.00	3.00	0.00	173.21	
2350.94	18.34	173.21	2279.11	-474.29	56.48	0.00	0.00	0.00	0.00	
3084.29	0.00	173.21	3000.00	-589.85	70.24	2.50	-2.50	0.00	180.00	Vertical Point
10084.29	0.00	173.21	10000.00	-589.85	70.24	0.00	0.00	0.00	173.21	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
530.00	0.00	173.21	530.00	0.00	0.00	0.00	0.00	0.00	0.00	KOP Build 3°/100'
600.00	2.10	173.21	599.98	-1.27	0.15	1.28	3.00	3.00	0.00	
700.00	5.10	173.21	699.78	-7.51	0.89	7.56	3.00	3.00	0.00	
800.00	8.10	173.21	799.10	-18.92	2.25	19.05	3.00	3.00	0.00	
900.00	11.10	173.21	897.69	-35.48	4.22	35.73	3.00	3.00	0.00	
1000.00	14.10	173.21	995.27	-57.14	6.80	57.54	3.00	3.00	0.00	
1100.00	17.10	173.21	1091.58	-83.84	9.98	84.43	3.00	3.00	0.00	
1141.37	18.34	173.21	1130.98	-96.34	11.47	97.02	3.00	3.00	0.00	Hold 18.34°
1200.00	18.34	173.21	1186.63	-114.66	13.65	115.47	0.00	0.00	0.00	
1300.00	18.34	173.21	1281.55	-145.91	17.37	146.94	0.00	0.00	0.00	
1400.00	18.34	173.21	1376.47	-177.15	21.10	178.40	0.00	0.00	0.00	
1500.00	18.34	173.21	1471.39	-208.40	24.82	209.87	0.00	0.00	0.00	
1600.00	18.34	173.21	1566.31	-239.65	28.54	241.34	0.00	0.00	0.00	
1700.00	18.34	173.21	1661.23	-270.89	32.26	272.81	0.00	0.00	0.00	
1800.00	18.34	173.21	1756.15	-302.14	35.98	304.27	0.00	0.00	0.00	

Company:	Dominion Exploration & Product	**Date:**	10/20/2006	**Time:** 09:59:05	**Page:** 2
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: Well #15-32E, True North		
Site:	KC 15-32E	**Vertical (TVD) Reference:**	SITE 5385.0		
Well:	Well #15-32E	**Section (VS) Reference:**	Well (0.00N,0.00E,173.21Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #1		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1900.00	18.34	173.21	1851.07	-333.38	39.70	335.74	0.00	0.00	0.00	
2000.00	18.34	173.21	1945.99	-364.63	43.42	367.21	0.00	0.00	0.00	
2100.00	18.34	173.21	2040.91	-395.88	47.14	398.67	0.00	0.00	0.00	
2200.00	18.34	173.21	2135.83	-427.12	50.86	430.14	0.00	0.00	0.00	
2300.00	18.34	173.21	2230.75	-458.37	54.58	461.61	0.00	0.00	0.00	
2350.94	18.34	173.21	2279.11	-474.29	56.48	477.64	0.00	0.00	0.00	Drop 2.5°/100'
2400.00	17.11	173.21	2325.84	-489.12	58.25	492.58	2.50	-2.50	0.00	
2500.00	14.61	173.21	2422.02	-516.26	61.48	519.91	2.50	-2.50	0.00	
2600.00	12.11	173.21	2519.30	-539.21	64.21	543.02	2.50	-2.50	0.00	
2700.00	9.61	173.21	2617.51	-557.92	66.44	561.86	2.50	-2.50	0.00	
2800.00	7.11	173.21	2716.43	-572.36	68.16	576.40	2.50	-2.50	0.00	
2900.00	4.61	173.21	2815.90	-582.49	69.36	586.61	2.50	-2.50	0.00	
3000.00	2.11	173.21	2915.72	-588.31	70.06	592.47	2.50	-2.50	0.00	
3084.29	0.00	173.21	3000.00	-589.85	70.24	594.02	2.50	-2.50	0.00	Vertical Point
3100.00	0.00	173.21	3015.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3184.29	0.00	173.21	3100.00	-589.85	70.24	594.02	0.00	0.00	0.00	Intermediate
3200.00	0.00	173.21	3115.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3300.00	0.00	173.21	3215.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3400.00	0.00	173.21	3315.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3500.00	0.00	173.21	3415.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3600.00	0.00	173.21	3515.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3700.00	0.00	173.21	3615.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3800.00	0.00	173.21	3715.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3900.00	0.00	173.21	3815.71	-589.85	70.24	594.02	0.00	0.00	0.00	
3939.29	0.00	173.21	3855.00	-589.85	70.24	594.02	0.00	0.00	0.00	Wasatch Tongue
4000.00	0.00	173.21	3915.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4100.00	0.00	173.21	4015.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4200.00	0.00	173.21	4115.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4279.29	0.00	173.21	4195.00	-589.85	70.24	594.02	0.00	0.00	0.00	Green River Tongue
4300.00	0.00	173.21	4215.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4400.00	0.00	173.21	4315.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4419.29	0.00	173.21	4335.00	-589.85	70.24	594.02	0.00	0.00	0.00	Wasatch
4500.00	0.00	173.21	4415.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4600.00	0.00	173.21	4515.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4700.00	0.00	173.21	4615.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4800.00	0.00	173.21	4715.71	-589.85	70.24	594.02	0.00	0.00	0.00	
4900.00	0.00	173.21	4815.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5000.00	0.00	173.21	4915.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5100.00	0.00	173.21	5015.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5200.00	0.00	173.21	5115.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5300.00	0.00	173.21	5215.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5309.29	0.00	173.21	5225.00	-589.85	70.24	594.02	0.00	0.00	0.00	Chapita Wells
5400.00	0.00	173.21	5315.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5500.00	0.00	173.21	5415.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5600.00	0.00	173.21	5515.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5700.00	0.00	173.21	5615.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5800.00	0.00	173.21	5715.71	-589.85	70.24	594.02	0.00	0.00	0.00	
5900.00	0.00	173.21	5815.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6000.00	0.00	173.21	5915.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6100.00	0.00	173.21	6015.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6200.00	0.00	173.21	6115.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6300.00	0.00	173.21	6215.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6400.00	0.00	173.21	6315.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6500.00	0.00	173.21	6415.71	-589.85	70.24	594.02	0.00	0.00	0.00	

Company:	Dominion Exploration & Product	**Date:**	10/20/2006	**Time:** 09:59:05	**Page:** 3
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: Well #15-32E, True North		
Site:	KC 15-32E	**Vertical (TVD) Reference:**	SITE 5385.0		
Well:	Well #15-32E	**Section (VS) Reference:**	Well (0.00N,0.00E,173.21Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #1		

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6600.00	0.00	173.21	6515.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6669.29	0.00	173.21	6585.00	-589.85	70.24	594.02	0.00	0.00	0.00	Uteland Buttes
6700.00	0.00	173.21	6615.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6800.00	0.00	173.21	6715.71	-589.85	70.24	594.02	0.00	0.00	0.00	
6900.00	0.00	173.21	6815.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7000.00	0.00	173.21	6915.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7100.00	0.00	173.21	7015.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7200.00	0.00	173.21	7115.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7300.00	0.00	173.21	7215.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7400.00	0.00	173.21	7315.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7500.00	0.00	173.21	7415.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7544.29	0.00	173.21	7460.00	-589.85	70.24	594.02	0.00	0.00	0.00	Mesaverde
7600.00	0.00	173.21	7515.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7700.00	0.00	173.21	7615.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7800.00	0.00	173.21	7715.71	-589.85	70.24	594.02	0.00	0.00	0.00	
7900.00	0.00	173.21	7815.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8000.00	0.00	173.21	7915.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8100.00	0.00	173.21	8015.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8200.00	0.00	173.21	8115.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8300.00	0.00	173.21	8215.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8400.00	0.00	173.21	8315.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8500.00	0.00	173.21	8415.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8600.00	0.00	173.21	8515.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8700.00	0.00	173.21	8615.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8800.00	0.00	173.21	8715.71	-589.85	70.24	594.02	0.00	0.00	0.00	
8900.00	0.00	173.21	8815.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9000.00	0.00	173.21	8915.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9100.00	0.00	173.21	9015.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9200.00	0.00	173.21	9115.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9300.00	0.00	173.21	9215.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9400.00	0.00	173.21	9315.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9500.00	0.00	173.21	9415.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9600.00	0.00	173.21	9515.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9700.00	0.00	173.21	9615.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9800.00	0.00	173.21	9715.71	-589.85	70.24	594.02	0.00	0.00	0.00	
9900.00	0.00	173.21	9815.71	-589.85	70.24	594.02	0.00	0.00	0.00	
10000.00	0.00	173.21	9915.71	-589.85	70.24	594.02	0.00	0.00	0.00	
10084.29	0.00	173.21	10000.00	-589.85	70.24	594.02	0.00	0.00	0.00	PBHL

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<— Latitude —> Deg Min Sec	<— Longitude —> Deg Min Sec
Vertical Point -Plan hit target			3000.00	-589.85	70.24	7136174.92	2116432.65	39 53 53.540 N	109 48 11.489 W
PBHL -Plan hit target			10000.00	-589.85	70.24	7136174.92	2116432.65	39 53 53.540 N	109 48 11.489 W

Company:	Dominion Exploration & Product	**Date:** 10/20/2006	**Time:** 09:59:05	**Page:**	4
Field:	Uintah County, Utah	**Co-ordinate(NE) Reference:**	Well: Well #15-32E, True North		
Site:	KC 15-32E	**Vertical (TVD) Reference:**	SITE 5385.0		
Well:	Well #15-32E	**Section (VS) Reference:**	Well (0.00N,0.00E,173.21Azi)		
Wellpath:	Original Hole	**Plan:**	Plan #1		

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
3184.29	3100.00	9.625	12.250	Intermediate

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
3939.29	3855.00	Wasatch Tongue		0.00	0.00
4279.29	4195.00	Green River Tongue		0.00	0.00
4419.29	4335.00	Wasatch		0.00	0.00
5309.29	5225.00	Chapita Wells		0.00	0.00
6669.29	6585.00	Uteland Buttes		0.00	0.00
7544.29	7460.00	Mesaverde		0.00	0.00

Annotation

MD ft	TVD ft	
530.00	530.00	KOP Build 3°/100'
1141.37	1130.98	Hold 18.34°
2350.94	2279.11	Drop 2.5°/100'
3084.29	3000.00	Hold 0°

SURFACE USE PLAN

CONDITIONS OF APPROVAL

Attachment for Permit to Drill

Name of Operator:	Dominion Exploration & Production
Address:	14000 Quail Springs Parkway, Suite 600 Oklahoma City, OK 73134
Well Location:	Kings Canyon 15-32E SHL: 1289' FSL & 2028' FEL Section 32-10S-19E BHL: 700' FSL & 1950' FEL Section 32-10S-19E Uintah County, UT

The dirt contractor will be provided with an approved copy of the surface use plan of operations before initiating construction.

An off-lease federal right-of-way is necessary prior to any construction outside of Section 32.

A state onsite inspection is pending at this time.

1. Existing Roads:

   a. The proposed well site is located approximately 14.65 miles southwest of Ouray, UT.

   b. Directions to the proposed well site have been attached at the end of Exhibit B.

   c. The use of roads under State and County Road Department maintenance are necessary to access the Kings Canyon area. However, an encroachment permit is not anticipated since no upgrades to the State or County Road system are proposed at this time.

   d. All existing roads will be maintained and kept in good repair during all phases of operation.

   e. Vehicle operators will obey posted speed restrictions and observe safe speeds commensurate with road and weather conditions.

   f. Since no improvements are anticipated to the State, County, Tribal or BLM access roads no topsoil striping will occur.

   g. An off-lease federal right-of-way is needed for the off-lease portion (Section 33) of the access and pipeline corridor since both are located outside the existing state lease boundary.

2. Planned Access Roads:

a. From the proposed KC 11-32E access road an access is proposed trending northwest approximately 350' to the proposed well site. The access consists of entirely new disturbance and crosses no significant drainages. A road design plan is not anticipated at this time.

b. The proposed access road will consist of a 24' travel surface within a 30' disturbed area.

c. SITLA approval to construct and utilize the proposed access road is requested with this application. Federal surface use is being requested through a separate federal right-of-way application.

d. A maximum grade of 10% will be maintained throughout the project with no cuts and fills required to access the well.

e. No turnouts are proposed.

f. No culverts and several low water crossings are anticipated. Adequate drainage structures will be incorporated into the road.

g. No surfacing material will come from SITLA, Federal or Indian lands.

h. No gates or cattle guards are anticipated at this time.

i. Surface disturbance and vehicular travel will be limited to the approved location access road.

j. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

k. The operator will be responsible for all maintenance of the access road including drainage structures.

3. Location of Existing Wells:

a. Exhibit B has a map reflecting these wells within a one mile radius of the proposed well.

4. Location of Production Facilities:

a. All permanent structures will be painted a flat, non-reflective Calsbad Canyon / Desert Tan to match the standard environmental colors. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded.

b. Site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 will be adhered to.

c. A gas meter run will be constructed and located on lease within 500 feet of the wellhead. Meter runs will be housed and/or fenced. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

d. A tank battery will be constructed on this location; it will be surrounded by a dike of sufficient capacity to contain the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All liquid hydrocarbons production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4 and Onshore Oil and Gas Order No. 5 for natural gas production and measurement.

e. Any necessary pits will be properly fenced to prevent any wildlife and livestock entry.

f. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic. The road will be maintained in a safe useable condition.

g. The site will require periodic maintenance to ensure that drainages are kept open and free of debris, ice, and snow, and that surfaces are properly treated to reduce erosion, fugitive dust, and impacts to adjacent areas.

h. A gas pipeline is associated with this application and is being applied for at this time. The proposed gas pipeline corridor will leave the west side of the well site and traverse 140' southwest to the proposed KC 11-32E pipeline corridor.

i. The new gas pipeline will be a 10" or less steel surface line within a 20' wide utility corridor. The use of the proposed well site and access roads will facilitate the staging of the pipeline construction. A new pipeline length of approximately 140' is associated with this well.

j. Dominion intends on installing the pipeline on the surface by welding many joints into long lengths, dragging the long lengths into position and then completing a final welding pass to join the long lengths together. Dominion intends on connecting the pipeline together utilizing conventional welding technology.

5. Location and Type of Water Supply:

a. The location and type of water supply has been addressed as number 11 within the previous drilling plan information.

6. Source of Construction Material:

a. The use of materials will conform to 43 CFR 3610.2-3.

b. No construction materials will be removed from SITLA, Federal or Tribal lands.

c. If any gravel is used, it will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

a. All wastes associated with this application will be contained and disposed of utilizing approved facilities.

b. Drill cuttings will be contained and buried on site.

c. The reserve pit will be located outboard of the location and along the south side of the pad.

d. The reserve pit will be constructed so as not to leak, break, or allow any discharge.

e. The reserve pit will be lined with 16 mil minimum thickness plastic nylon reinforced liner material. The liner will overlay a felt liner pad. The pit liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Pit walls will be sloped no greater than 2:1. A minimum 2-foot freeboard will be maintained in the pit at all times during the drilling and completion operation.

f. The reserve pit has been located in cut material. Three sides of the reserve pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. After the reserve pit has dried, all areas not needed for production will be rehabilitated.

g. No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completion of the well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of the well.

h. Trash will be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations. The contents of the trash container will be hauled off periodically to the approved Uintah County Landfill near Vernal, Utah.

i. Produced fluids from the well other than water will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas, salt water or other produced fluids will be cleaned up and removed.

j. After initial clean-up, a 400 bbl tank will be installed to contain produced waste water. This water will be transported from the tank to an approved Dominion disposal well for disposal.

k. Produced water from the production well will be disposed of at the RBU 13-11F or RBU 16-19F disposal wells in accordance with Onshore Order #7.

l. Any salts and/or chemicals, which are an integral part of the drilling system, will be disposed of in the same manner as the drilling fluid.

m. Sanitary facilities will be on site at all times during operations. Sewage will be placed in a portable chemical toilet and the toilet replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

8. Ancillary Facilities:

a. Garbage Containers and Portable Toilets are the only ancillary facilities proposed in this application.

9. Well Site Layout: (See Exhibit B)

a. The well will be properly identified in accordance with 43 CFR 3162.6.

b. Access to the well pad will be from the southwest.

c. The pad and road designs are consistent with SITLA specification

d. A pre-construction meeting with responsible company representative, contractors and the SITLA will be conducted at the project site prior to commencement of surface-disturbing activities. The pad and road will be construction-staked prior to this meeting.

e. The pad has been staked at its maximum size as reflected on the location layout; however it will be constructed smaller if possible, depending upon rig availability. Should the layout change, this application will be amended and approved utilizing a sundry notice.

f. All surface disturbing activities, will be supervised by a qualified, responsible company representative who is aware of the terms and conditions of the APD and specifications in the approved plans.

g. All cut and fill slopes will be such that stability can be maintained for the life of the activity.

h. Diversion ditches will be constructed as shown around the well site to prevent surface waters form entering the well site area.

i. The site surface will be graded to drain away from the pit to avoid pit spillage during large storm events.

j. The stockpiled topsoil (first 6 inches or maximum available) will be stored in a windrow on the uphill side of the location to prevent any possible contamination. All topsoil will be stockpiled for reclamation in such a way as to prevent soil loss and contamination.

k. Pits will remain fenced until site cleanup.

l. The blooie line will be located at least 100 feet from the well head.

m. Water injection may be implemented if necessary to minimize the amount of fugitive dust.

10. Plans for Restoration of the Surface:

a. Site reclamation for a producing well will be accomplished for portions of the site not required for the continued operation of the well.

b. The Operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. A list of noxious weeds may be obtained from the SITLA or the appropriate County Extension Office.

c. Upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.Once the reserve pit is dry, the plastic nylon reinforced liner shall be torn and perforated before backfilling of the reserve pit. The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours.

d. The cut and fill slopes and all other disturbed areas not needed for the production operation will be top soiled and re-vegetated. The stockpiled topsoil will be evenly distributed over the disturbed area.

e. Prior to reseeding the site, all disturbed areas, including the access road, will be scarified and left with a rough surface. The site will then be seeded and/or planted as prescribed by the SITLA and the BLM.

11. Surface and Mineral Ownership:

a. Surface Ownership – State of Utah – under the management of the SITLA -State Office, 675 East 500 South, Suite 500, Salt Lake, City, Utah 84102-2818; 801-538-5100.

b. Mineral Ownership – State of Utah – under the management of the SITLA -State Office, 675 East 500 South, Suite 500, Salt Lake, City, Utah 84102-2818; 801-538-5100.

12. Other Information:

a. AIA Archaeological has conducted a Class III archeological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by AIA Archaeological.

b. Alden Hamblin has conducted a paleontological survey. A copy of the report has been submitted under separate cover to the appropriate agencies by Alden Hamblin.

c. Additional information:

a. No drainage crossings that require additional State or Federal approval are being crossed.

b. No raptor habitat is known to exist within 1 mile of the proposed wellsite.

c. An off-lease federal right-of-way is necessary prior to any construction outside of state section 32.

13. Operator's Representative and Certification

Title	Name	Office Phone
Company Representative (Roosevelt)	Ken Secrest	1-435-722-4521
Company Representative (Oklahoma)	Carla Christian	1-405-749-5263
Agent for Dominion	Don Hamilton	1-435-719-2018

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exists; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Dominion Exploration & Production, Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided under Dominion's State and BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Signature: Don Hamilton Date: 10-30-06

BOP Equipment

3000psi WP

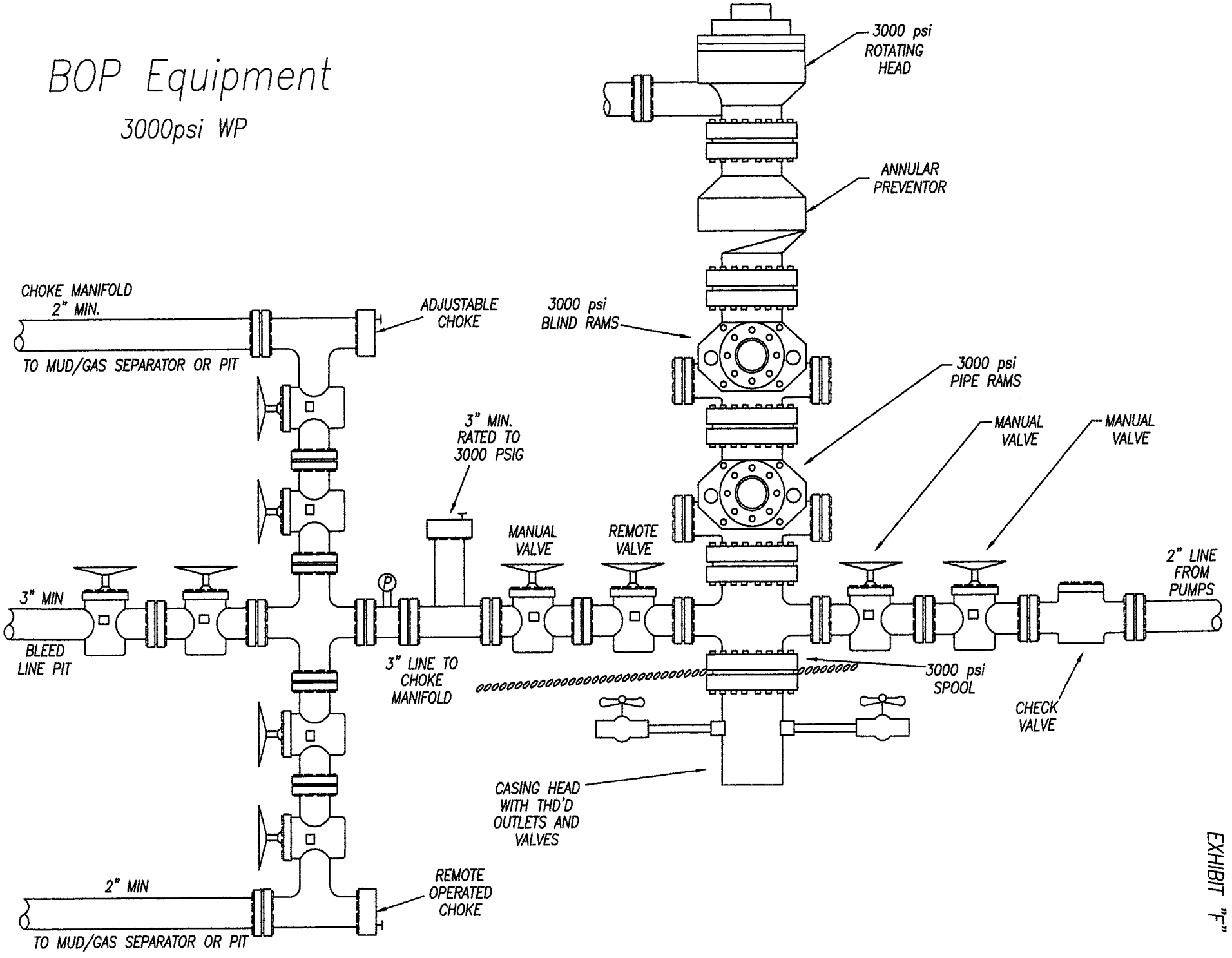
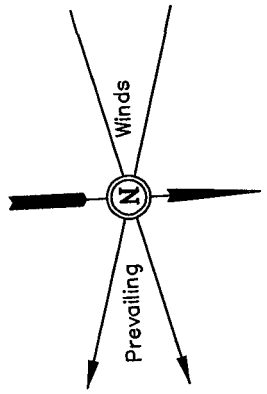


EXHIBIT "F"

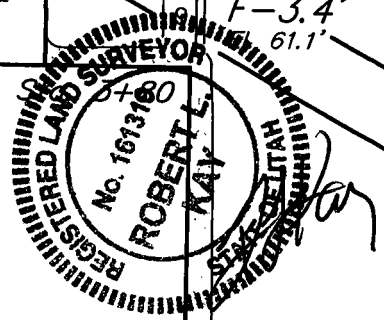
DOMINION EXPLR. & PROD., INC.

LOCATION LAYOUT FOR

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
NW 1/4 SE 1/4



SCALE: 1" = 50'
DATE: 05-24-06
Drawn By: L.K.



C-1.9'
El. 66.4'

EXISTING ROAD

Proposed Access Road

F-3.4'
El. 61.1'

Sta. 3+80

F-0.3'
El. 64.2'

65'

DATA

Topsoil Stockpile

Approx. Top of Cut Slope

Approx. Toe of Fill Slope

NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Pit Topsoil

160'

200'

225'

CATWALK

FLARE PIT
El. 67.5'
C-3.0'

El. 70.5'
C-14.0'
(btm. pit)

20' WIDE BENCH

30'

El. 66.4'
C-1.9'

PIPE RACKS

100'

#10-32E

C-1.0'
El. 65.5'

Total Pit Capacity W/2' of Freeboard = 13,030 Bbls. ±
Total Pit Volume = 3,770 Cu. Yds.

25'
25'
35'

RIG
DOG HOUSE
#15-32E

135'

Sta. 1+80

El. 67.2'
C-2.7'

C-1.3'
El. 65.8'

WATER

TRAILER

F-5.2'
El. 59.3'

Sta. 1+10

PUMP

TOILET

MUD SHED

MUD TANKS

HOPPER

FUEL

Reserve Pit Backfill & Spoils Stockpile

10' WIDE BENCH

165'

RESERVE PITS
(8' Deep)

Slope = 1-1/2:1

POWER

TRASH

TOOLS

Sta. 0+67

FUEL

El. 71.4'
C-14.9'
(btm. pit)

20' WIDE BENCH

180'

C-2.0'
El. 66.5'

STORAGE TANK

Round Corners as Needed

55'

F-1.0'
El. 63.5'

Sta. 0+00

C-0.6'
El. 65.1'

Topsoil Stockpile

F-5.8'
El. 58.7'

Elev. Ungraded Ground at #15-32E Location Stake = 5365.8'
Elev. Graded Ground at #15-32E Location Stake = 5364.5'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

DOMINION EXPLR. & PROD., INC.

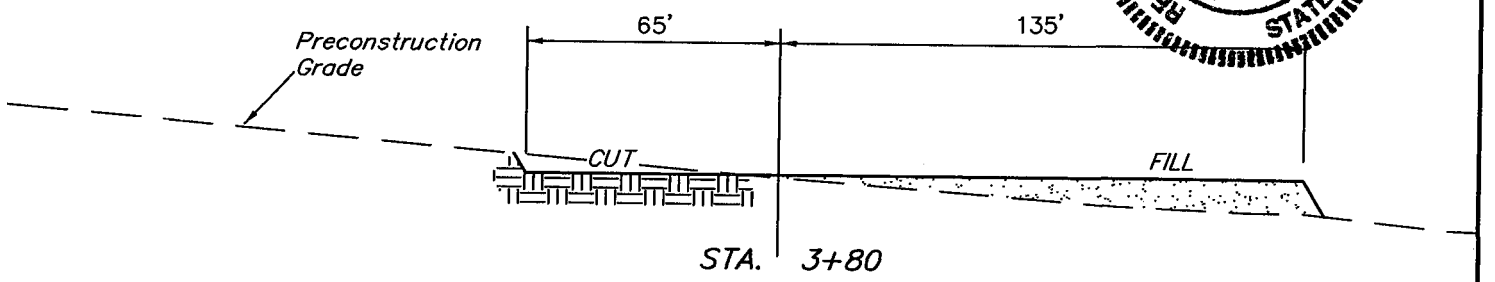
TYPICAL CROSS SECTIONS FOR

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
NW 1/4 SE 1/4

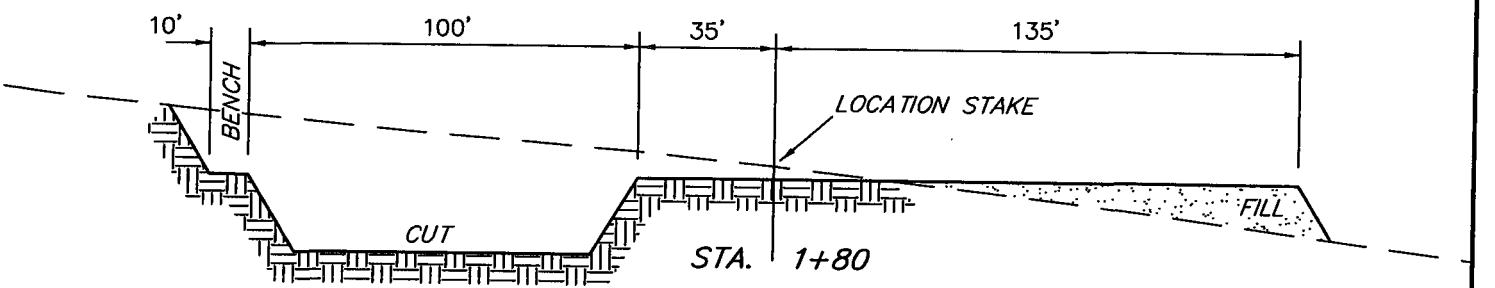
1" = 20'
X-Section Scale
1" = 50'

DATE: 05-24-06
Drawn By: L.K.

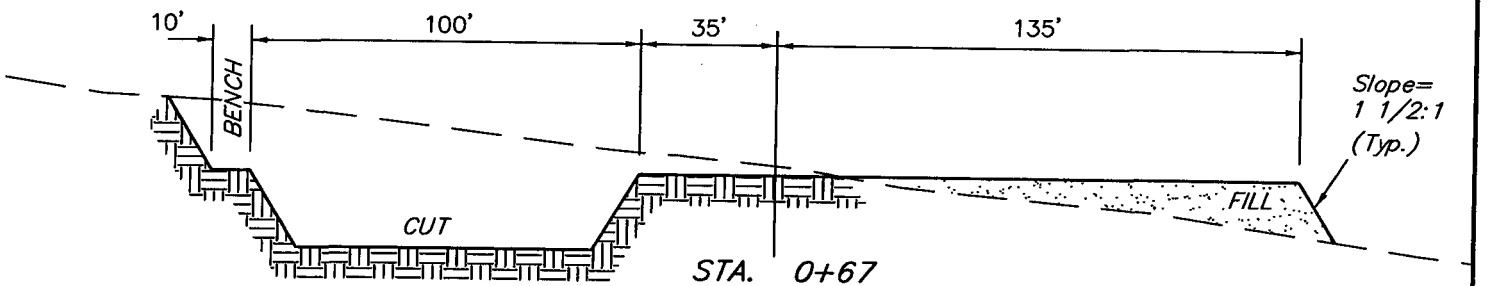
REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH



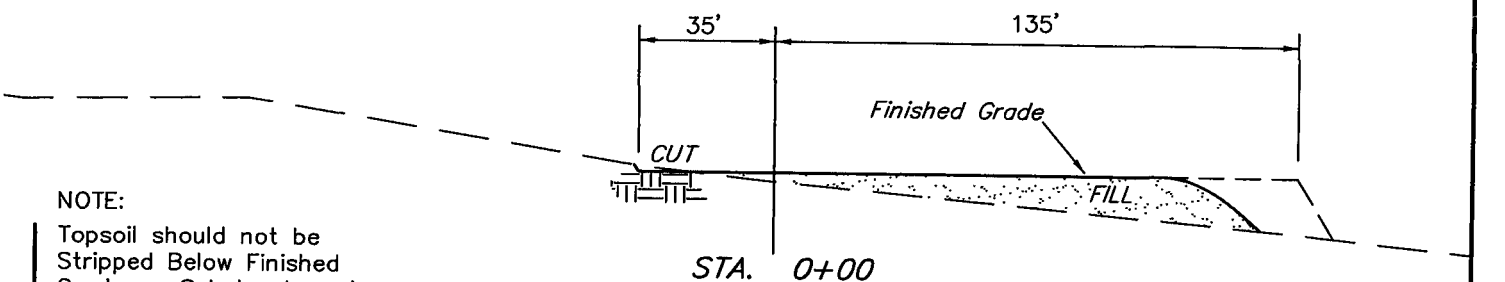
STA. 3+80



STA. 1+80



STA. 0+67



STA. 0+00

NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT

(6") Topsoil Stripping = 1,900 Cu. Yds.

Remaining Location = 8,190 Cu. Yds.

TOTAL CUT = 10,090 CU.YDS.

FILL = 6,300 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

EXCESS MATERIAL = 3,790 Cu. Yds.

Topsoil & Pit Backfill (1/2 Pit Vol.) = 3,790 Cu. Yds.

EXCESS UNBALANCE (After Interim Rehabilitation) = 0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

DOMINION EXPLR. & PROD., INC.

KINGS CANYON #15-32E & #10-32E

LOCATED IN UINTAH COUNTY, UTAH
SECTION 32, T10S, R19E, S.L.B.&M.

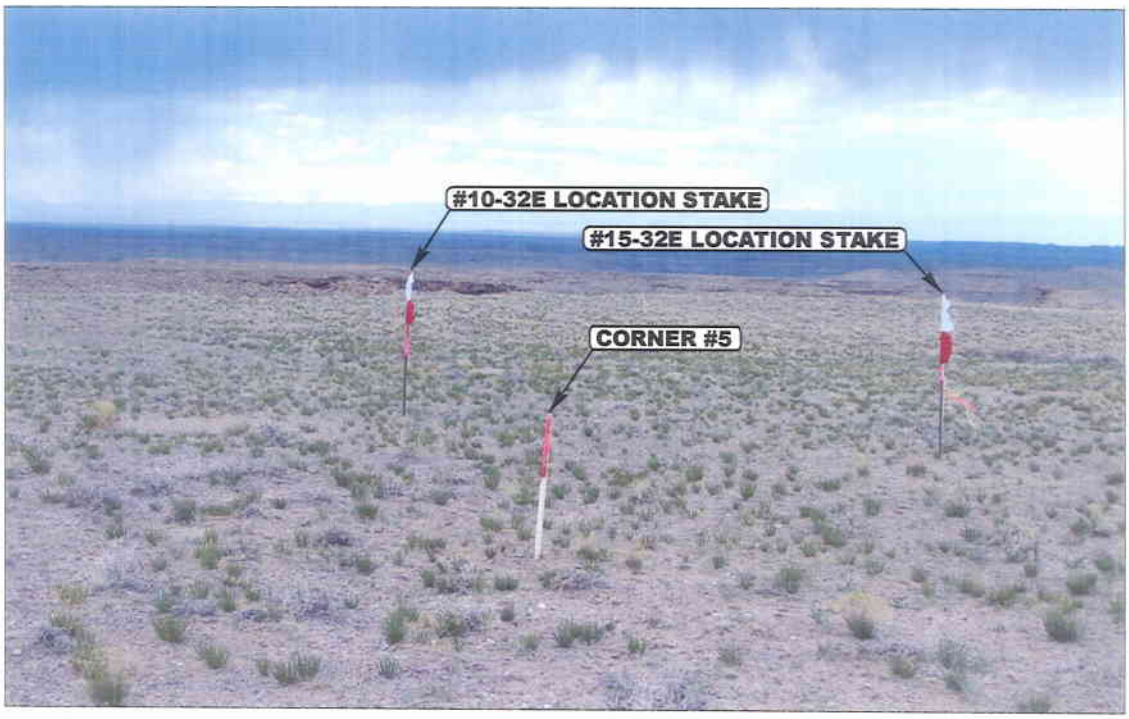
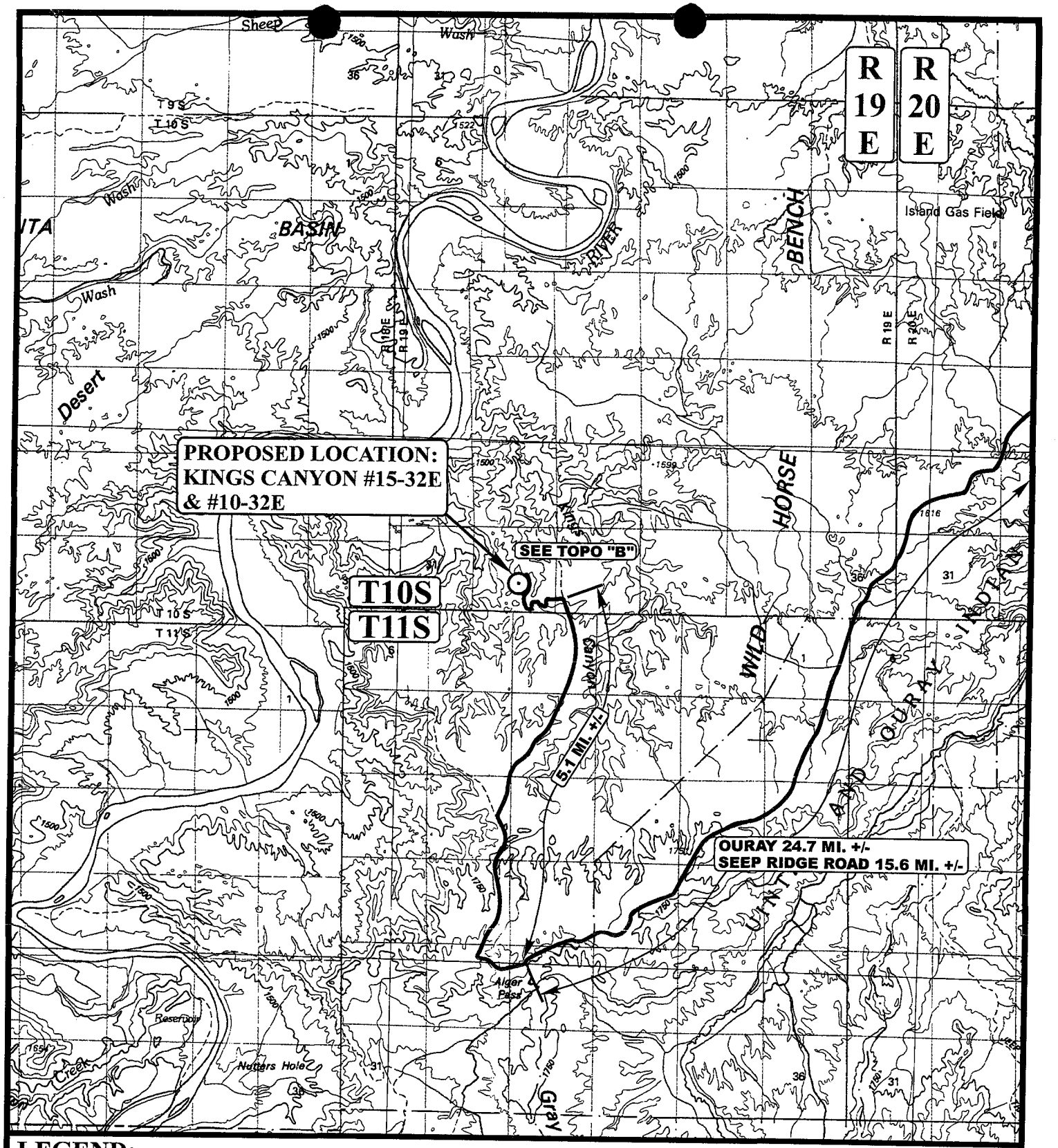


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHEASTERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: EASTERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS	05 MONTH	26 DAY	06 YEAR	PHOTO
TAKEN BY: T.A.	DRAWN BY: C.H.	REVISED: 00-00-00		



LEGEND:

⊙ PROPOSED LOCATION

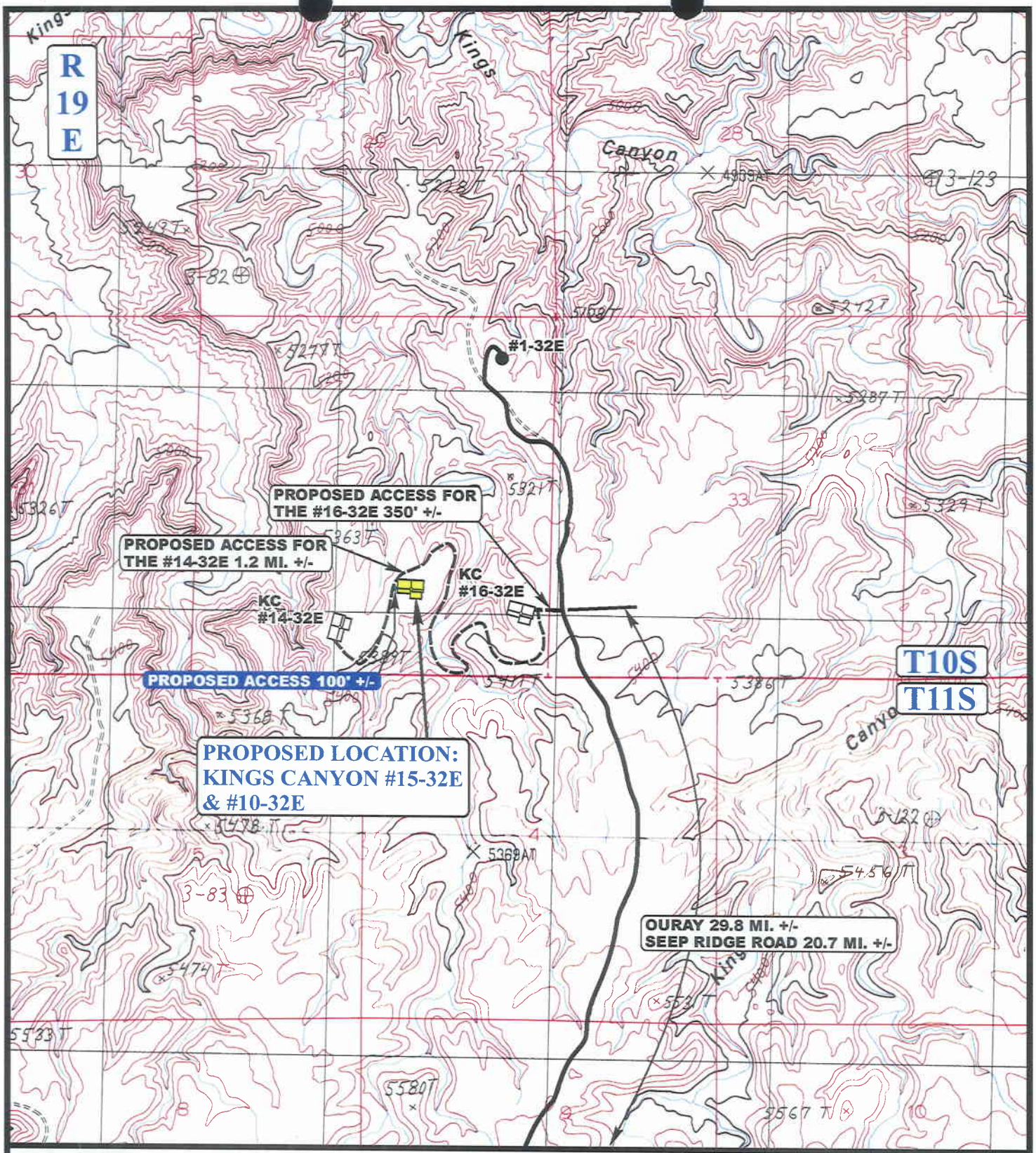
N

DOMINION EXPLR. & PROD., INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
~~N~~ SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: C.H.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

N

DOMINION EXPLR. & PROD., INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
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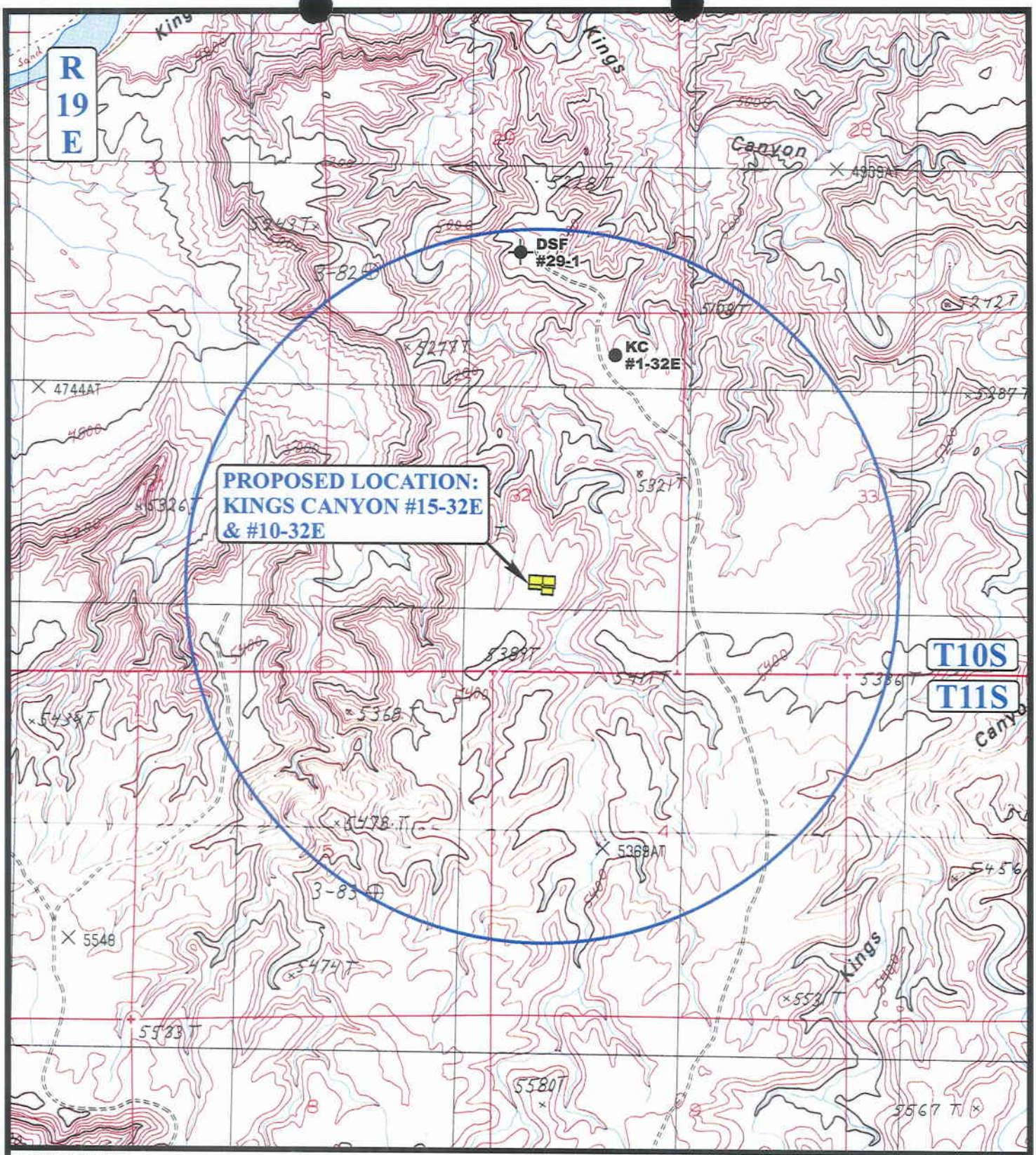
TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: C.H.	REVISED: 00-00-00		



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

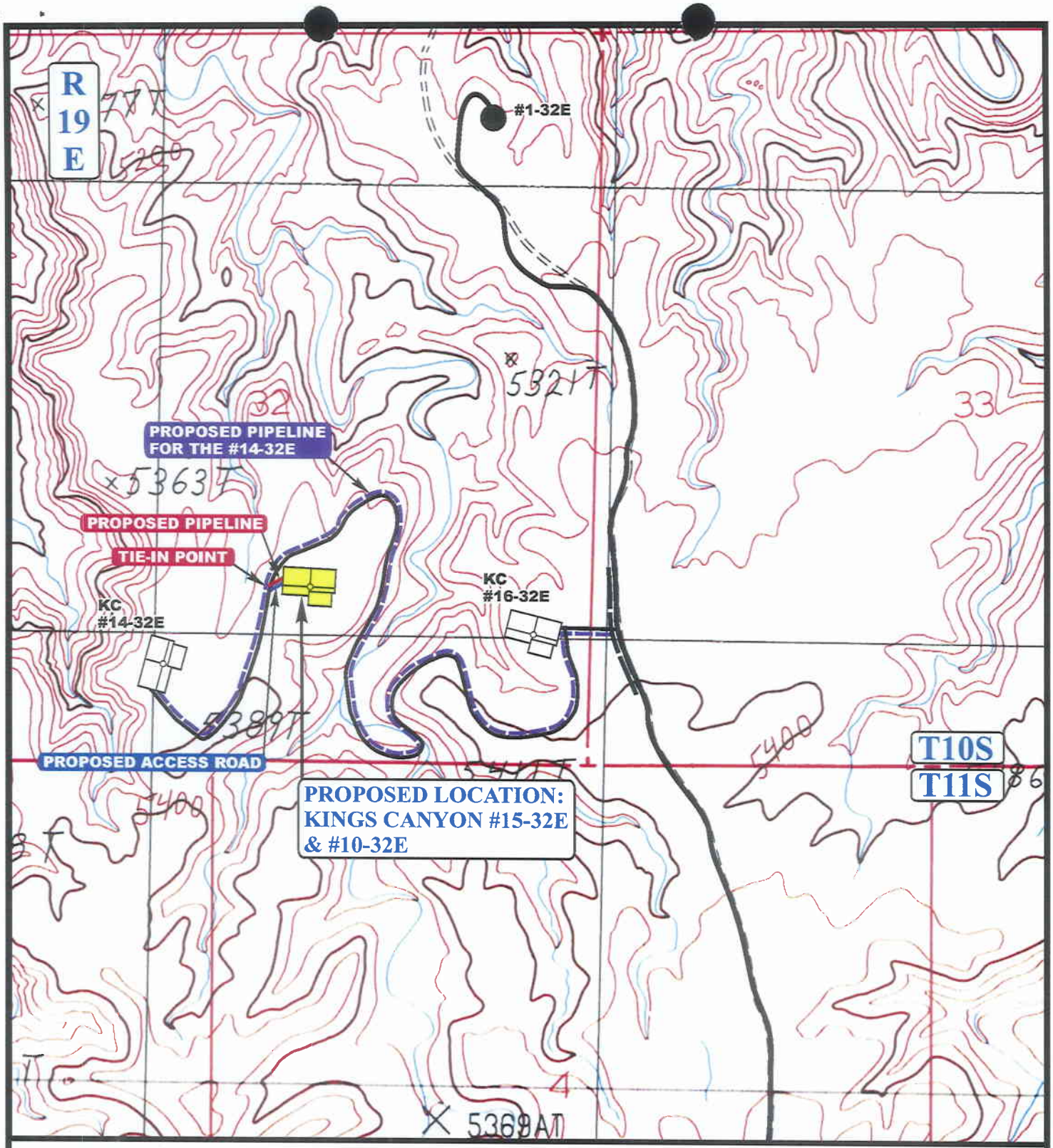
N

DOMINION EXPLR. & PROD., INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: C.H.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 140' +/-

LEGEND:

PROPOSED ACCESS ROAD
EXISTING PIPELINE
PROPOSED PIPELINE

N

DOMINION EXPLR. & PROD., INC.

KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.
SW 1/4 SE 1/4

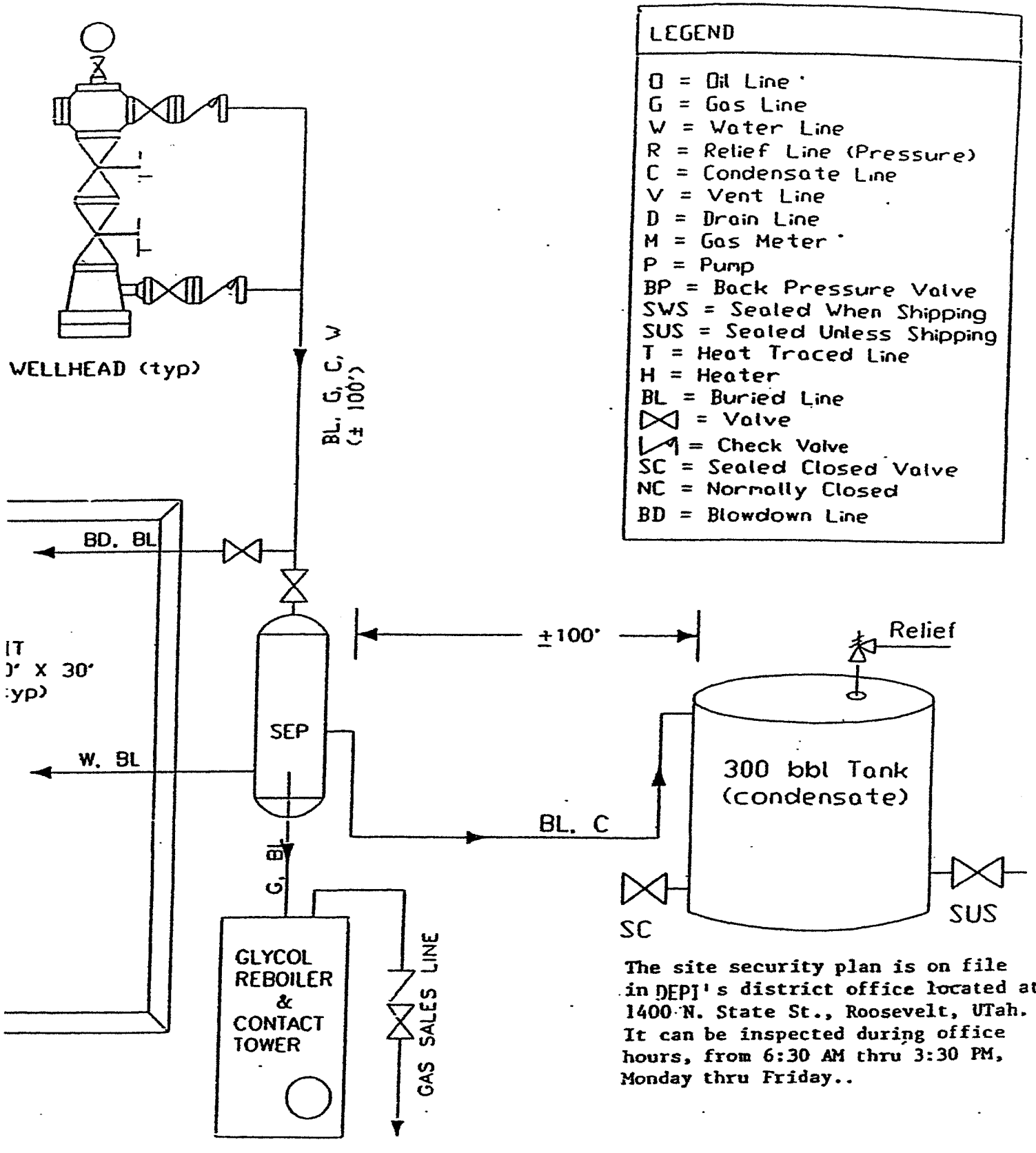
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	05 MONTH	26 DAY	06 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: C.H.	REVISED: 00-00-00		

DOMINION EXPLR. & PROD., INC.
KINGS CANYON #15-32E & #10-32E
SECTION 32, T10S, R19E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 9.1 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 2.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 5.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #16-32E TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 350' TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #14-32E TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN SOUTHWESTERLY, THEN NORTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 1.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 100' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 62.1 MILES.



The site security plan is on file in DEPI's district office located at 1400 N. State St., Roosevelt, UTah. It can be inspected during office hours, from 6:30 AM thru 3:30 PM, Monday thru Friday..

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/01/2006

API NO. ASSIGNED: 43-047-38782

WELL NAME: KC 15-32E

OPERATOR: DOMINION EXPL & PROD (N1095)

PHONE NUMBER: 405-749-5263

CONTACT: DON HAMILTON

PROPOSED LOCATION:

NWSE 32 100S 190E
SURFACE: 1289 FSL 2028 FEL
BOTTOM: 0700 FSL 1950 FEL
COUNTY: UINTAH
LATITUDE: 39.89976 LONGITUDE: -109.8028
UTM SURF EASTINGS: 602349 NORTHINGS: 4417108
FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	12/21/06
Geology		
Surface		

LEASE TYPE: 3 - State
LEASE NUMBER: ML-047059
SURFACE OWNER: 3 - State

PROPOSED FORMATION: MVRD
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

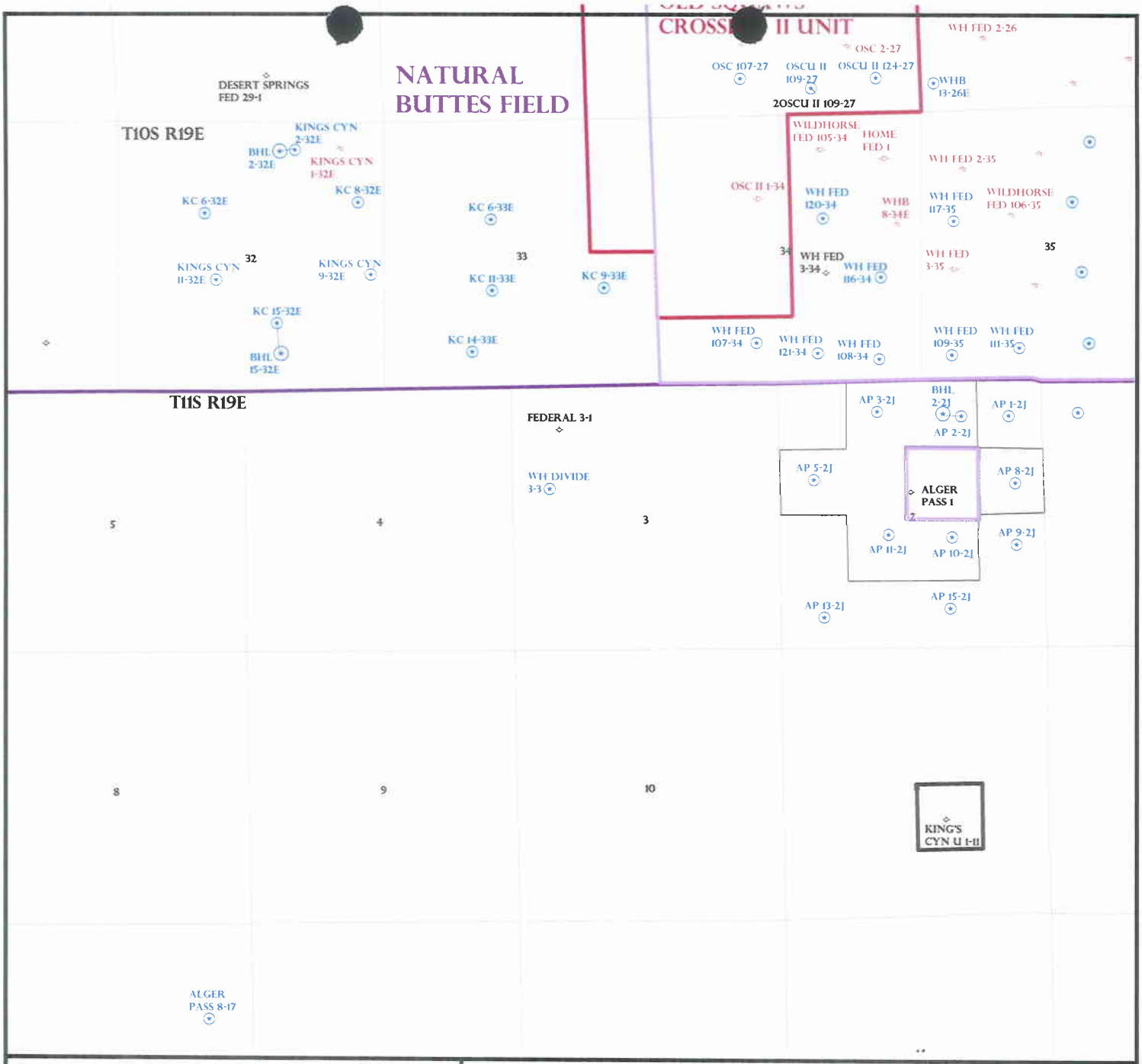
✓ Plat
✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 76S63050600)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 43-10447)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)
NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit:
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
___ Drilling Unit
Board Cause No:
Eff Date:
Siting:
✓ R649-3-11. Directional Drill

COMMENTS: Needs Presite (11-29-06)

STIPULATIONS: 1- Spacing Slip
2- STATEMENT OF BASIS
3- Surface Csg Cmt Stip



OPERATOR: DOMINION EXPL & PROD (N1095)

SEC: 32 T.10S R. 19E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-11 / DIRECTIONAL DRILLING

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status
- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING

Utah Oil Gas and Mining

N
W E
S

PREPARED BY: DIANA MASON
DATE: 6-NOVEMBER-2006

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
148	43-047-38782-00-00		GW	S	No

Operator DOMINION EXPL & PROD INC **Surface Owner-APD**
Well Name KC 15-32E **Unit**
Field UNDESIGNATED **Type of Work**
Location NWSE 32 10S 19E S 0 FL 0 FL GPS Coord (UTM) 602349E 4417108N

Geologic Statement of Basis

Dominion proposes to set 500 feet of surface casing and 3,184 feet of intermediate casing cemented to the surface. The base of the moderately saline water is estimated at 4,300 feet. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this location is the Uinta Formation. The Uinta Formation is made up of discontinuous sands interbedded with shales and are not expected to produce prolific aquifers. The production string cement should be brought up above the base of the moderately saline water to prevent it from mixing with fresher waters up hole.

Brad Hill — 12/7/2006
APD Evaluator — **Date / Time**

Surface Statement of Basis

The general area is known as Wild Horse Bench and is located approximately 15 miles southwest of Ouray, Utah. Wild Horse Bench is a large open flat area with somewhat steep and frequent side-draws draining to the west toward the Green River and the northeast toward Willow Creek. The Uintah and Ouray Indian Reservation is to the east.

This location is near the end of a gentle sloping flat topped ridge. It is a good site for a location. Deep canyons exist to the east and north. Construction of a road 1.2 miles in length will be required to reach this and other proposed wells in the area. The site for the location is mostly barren, however surface run-off is light.

Both the surface and minerals are owned by SITLA. Bad weather prevented Mr. Ed Bonner of SITLA from attending the presite evaluation. The proposed location will be used to drill two wells. The APD for the Kings Canyon 10-32E has not been received. The location appears to be the best site for drilling and operating wells in the immediate area.

Floyd Bartlett — 11/29/2006
Onsite Evaluator — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator DOMINION EXPL & PROD INC
Well Name KC 15-32E
API Number 43-047-38782-0 **APD No** 148 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NWSE **Sec** 32 **Tw** 10S **Rng** 19E 0 F L 0 F L
GPS Coord (UTM) 602349 4417122 **Surface Owner**

Participants

Floyd Bartlett (DOGM), Don Hamilton (Buys and Associates-Consultant), Ken Secrist (Dominion),), Ben Williams (UDWR), Brandon Bowthorpe (U.E.L.S.), Bill McClure (LaRose Construction

Regional/Local Setting & Topography

The general area is known as Wild Horse Bench and is located approximately 15 miles southwest of Ouray, Utah. Wild Horse Bench is a large open flat area with somewhat steep and frequent side-draws draining to the west toward the Green River and the northeast toward Willow Creek. The Uintah and Ouray Indian Reservation is to the east.

This location is near the end of a gentle sloping flat topped ridge. It is a good site for a location. Deep canyons exist to the east and north. Construction of a road 1.2 miles in length will be required to reach this and other proposed wells in the area. The site for the location is mostly barren, however surface run-off is light.

Surface Use Plan

Current Surface Use
Grazing
Wildlfe Habitat

New Road

Miles	Well Pad		Src Const Material	Surface Formation
1.2	**Width** 280	**Length** 380	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Antelope, deer, elk, coyotes, rabbits and miscellaneous small mammals and birds.

Mostly barren, big sagebrush, broom snakeweed, curly mesquite exist.

Soil Type and Characteristics

Deep sandy loam.

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y **Paleo Potental Observed?** N **Cultural Survey Run?** Y **Cultural Resources?**

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0
	Final Score	15 1 **Sensitivity Level**

Characteristics / Requirements

100' x 165' x 8' deep located in an area of cut on the southeast side of the location. Sensitivity level 1. Liner and sub felt are both required.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

Other Observations / Comments

Ben Williams representing the UDWR stated the area is classified as yearlong critical habitat for antelope but water not forage is the factor limiting the growth of the herd. It is also classified as limited value yearlong habitat for deer and elk. He did not recommend any restrictions for any of these species. He furnished Jim Davis of SITLA and Don Hamilton, Dominion Permit Agent copies of his evaluation and a recommended seed mix to be used when the site is re-vegetated.

Floyd Bartlett	11/29/2006
Evaluator	**Date / Time**

2006-12 Dominion Kings Canyon 15-32E

Casing Schematic

✓ Adequate DKD 12/21/06

Well name:	**2006-12 Dominion Kings Canyon 15-32E**
Operator:	**Dominion Exploration and Production**
String type:	Surface
Project ID:	43-047-38782
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 440 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 500 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 439 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 82 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 500 ft

Cement top: 107 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 3,100 ft
Next mud weight: 8.600 ppg
Next setting BHP: 1,385 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 500 ft
Injection pressure: 500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	500	13.375	48.00	H-40	ST&C	500	500	12.59	440.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	218	740	3.392	500	1730	3.46	21	322	15.30 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: December 20,2006
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 500 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2006-12 Dominion Kings Canyon 15-32E**
Operator:	**Dominion Exploration and Production**
String type:	Intermediate
Project ID:	43-047-38782
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.600 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,267 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,949 psi

No backup mud specified.
Depth of change: 2,000 ft
Upper annular mud: 0.000 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,789 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 118 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Directional well information:

Kick-off point 530 ft
Departure at shoe: 594 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Re subsequent strings:

Next setting depth: 10,000 ft
Next mud weight: 8.600 ppg
Next setting BHP: 4,467 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 3,100 ft
Injection pressure: 3,100 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	3184	9.625	36.00	J-55	ST&C	3100	3184	8.796	1382.1

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1385	2020	1.459	2949	3520	1.19	97	394	4.05 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: December 20,2006
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 3100 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**2006-12 Dominion Kings Canyon 15-32E**
Operator:	**Dominion Exploration and Production**
String type:	Production
Project ID:	43-047-38782
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.600 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,267 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,467 psi

No backup mud specified.
Depth of change: 2,000 ft
Upper annular mud: 0.000 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 8,780 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	215 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	1,375 ft

Directional well information:

Kick-off point	530 ft
Departure at shoe:	594 ft
Maximum dogleg:	3 °/100ft
Inclination at shoe:	0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	10084	5.5	17.00	Mav-80	LT&C	10000	10084	4.767	1316.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4467	6290	1.408	4467	7740	1.73	148	273	1.85 B

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: December 20,2006
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 10000 ft, a mud weight of 8.6 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

From: Ed Bonner
To: Mason, Diana
Date: 11/21/2006 10:14 AM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Cabot Oil & Gas Corporation
- Gusher 13-36-5-19 (API 43 047 38538)
- Gusher 14-36-5-19 (API 43 047 38539)

Dominion E&P, Inc
- AP 11-2J (API 43 047 38786)
- AP 13-2J (API 43 047 38787)
- Kings Canyon 6-32E (API 43 047 38781)
- Kings Canyon 15-32E (API 43 047 38782)

EOG Resources, Inc
- Chapita Wells Unit 554-2F (API 43 047 36935)
- Chapita Wells Unit 1218-2 (API 43 047 38320)

The Houston Exploration Company
- Gusher 13-11-5-19 (API 43 047 38462)
- Squaw Ridge 14-16-7-25 (API 43 047 38461)

QEP Uinta Basin Inc
- GB 4SG-36-8-21 (API 43 047 38764)

If you have any questions regarding this matter please give me a call.

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

December 21, 2006

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

Re: KC 15-32E Well, 1289' FSL, 2028' FEL, NW SE, Sec. 32, T. 10 South, R. 19 East, Bottom Location 700' FSL, 1950' FEL, SW SE, Sec. 32, T. 10 South, R. 19 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann.§ 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-38782.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor (via e-mail)
SITLA

Operator: Dominion Exploration & Production, Inc.

Well Name & Number KC 15-32E

API Number: 43-047-38782

Lease: ML-047059

Location:	NW SE	**Sec.** 32	**T.** 10 South	**R.** 19 East
Bottom Location:	SW SE	**Sec.** 32	**T.** 10 South	**R.** 19 East

Conditions of Approval

1. General

   Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

   The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

   - 24 hours prior to cementing or testing casing
   - 24 hours prior to testing blowout prevention equipment
   - 24 hours prior to spudding the well
   - within 24 hours of any emergency changes made to the approved drilling program
   - prior to commencing operations to plug and abandon the well

   The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at (801) 538-5338
   - Carol Daniels at (801) 538-5284 (spud)

3. Reporting Requirements

   All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

5. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

7. Surface casing shall be cemented to the surface.

8. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X - Change of Operator (Well Sold) Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **7/1/2007**

FROM: (Old Operator):	**TO:** (New Operator):
N1095-Dominion Exploration & Production, Inc	N2615-XTO Energy Inc
14000 Quail Springs Parkway, Suite 600	810 Houston St
Oklahoma City, OK 73134	Fort Worth, TX 76102
Phone: 1 (405) 749-1300	Phone: 1 (817) 870-2800

CA No. **Unit:**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 8/6/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 8/6/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 8/6/2007

4a. Is the new operator registered in the State of Utah: _____ Business Number: 5655506-0143

4b. If **NO**, the operator was contacted contacted on:

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM _____ BIA _____

7. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: _____

8. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: _____

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 9/27/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 9/27/2007
3. Bond information entered in RBDMS on: 9/27/2007
4. Fee/State wells attached to bond in RBDMS on: 9/27/2007
5. Injection Projects to new operator in RBDMS on: 9/27/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: 9/27/2007

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000138
2. Indian well(s) covered by Bond Number: n/a

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 104312762

3b. The **FORMER** operator has requested a release of liability from their bond on: 1/23/2008
The Division sent response by letter on:

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: SEE ATTACHED

2. NAME OF OPERATOR: XTO Energy Inc. N2615

9. API NUMBER: SEE ATTACHED

3. ADDRESS OF OPERATOR: 810 Houston Street CITY Fort Worth STATE TX ZIP 76102 PHONE NUMBER: (817) 870-2800

10. FIELD AND POOL, OR WILDCAT: Natural Buttes

4. LOCATION OF WELL

FOOTAGES AT SURFACE: SEE ATTACHED

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective July 1, 2007, XTO Energy Inc. has purchased the wells listed on the attachment from:

Dominion Exploration & Production, Inc.
14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134
N1095

James D Abercrombie (405) 749-1300
James D. Abercrombie
Sr. Vice President, General Manager - Western Business Unit

Please be advised that XTO Energy Inc. is considered to be the operator on the attached list and is responsible under the terms and conditions of the lease for the operations conducted upon the lease lands. Bond coverage is provided by Nationwide BLM Bond #104312750 and Department of Natural Resources Bond #104312762.

NAME (PLEASE PRINT) Edwin S. Ryan, Jr. TITLE Sr. Vice President - Land Administration

SIGNATURE Edwin S Ryan Jr DATE 7/31/2007

(This space for State use only)

APPROVED 9/27/07
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
AUG 06 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Request to Transfer Application or Permit to Drill

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

Well name:	SEE ATTACHED LIST
API number:	
Location:	Qtr-Qtr: Section: Township: Range:
Company that filed original application:	DOMINION E&P
Date original permit was issued:	
Company that permit was issued to:	DOMINION E&P

Check one	Desired Action:
	Transfer pending (unapproved) Application for Permit to Drill to new operator
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
✓	**Transfer approved Application for Permit to Drill to new operator**
	The undersigned as owner with legal rights to drill on the property as permitted, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.	Yes	No
If located on private land, has the ownership changed?		✓
If so, has the surface agreement been updated?		
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?		✓
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?		✓
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?		✓
Has the approved source of water for drilling changed?		✓
Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?		✓
Is bonding still in place, which covers this proposed well? Bond No. 104312762	✓	

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) HOLLY C. PERKINS Title REGULATORY COMPLIANCE TECH

Signature Holly C. Perkins Date 08/27/2007

Representing (company name) XTO ENERGY INC.

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

AUG 3 0 2007

(3/2004)

N1095 DOMINION E and P, INC. to N2615 XTO ENERGY, INC.

api	well_name	qtr_qtr	sec	twp	rng	lease_num	entity	Lease	well	stat
4303930028	SKYLINE U 14-28	SESW	28	140S	060E	UTU-77262		Federal	GW	APD
4303930029	SKYLINE U 8-7	SENE	07	150S	060E	UTU-78415		Federal	GW	APD
4304737195	KC 6-33E	SENW	33	100S	190E	UTU-49522		Federal	OW	APD
4304737196	KC 9-33E	NESE	33	100S	190E	UTU-49522		Federal	OW	APD
4304737197	KC 11-33E	NESW	33	100S	190E	UTU-49522		Federal	OW	APD
4304738075	LCU 7-9H	NWSE	09	110S	200E	UTU-76265		Federal	GW	APD
4304738689	RBU 15-8E	NENE	17	100S	190E	U-013766		Federal	GW	APD
4304738783	KC 14-33E	SESW	33	100S	190E	UTU-49522		Federal	GW	APD
4304738868	LOVE 12-20G	NWSW	20	110S	210E	UTU-076040		Federal	GW	APD
4304738889	KC 9-31E	NESE	31	100S	190E	UTU-81719		Federal	GW	APD
4304738890	KC 13-31E	SWSW	31	100S	190E	UTU-81719		Federal	GW	APD
4304738891	KC 12-33E	NWSW	33	100S	190E	UTU-49522		Federal	GW	APD
4304738948	KC 14-31E	SESW	31	100S	190E	UTU-081719		Federal	GW	APD
4304738949	KC 3-33E	NENW	33	100S	190E	UTU-49522		Federal	GW	APD
4304739051	KC 15-31E	SWSE	31	100S	190E	UTU-81719		Federal	GW	APD
4304739068	KC 7-33E	SWNE	33	100S	190E	UTU-49522		Federal	GW	APD
4304739069	KC 13-33E	SWSW	33	100S	190E	UTU-49522		Federal	GW	APD
4304739070	KC 15-33E	SWSE	33	100S	190E	UTU-49522		Federal	GW	APD
4304739415	WHB 4-5H	NWNW	05	110S	200E	UTU-39223		Federal	GW	APD
4304739416	WHB 12-5H	NWSW	05	110S	200E	UTU-39223		Federal	GW	APD
4304739417	WHB 13-5H	SWSW	05	110S	200E	UTU-39223		Federal	GW	APD
4304739440	WHB 4-8H	NWNW	08	110S	200E	UTU-39223		Federal	GW	APD
4304739441	WHB 5-5H	NWNW	05	110S	200E	UTU-39223		Federal	GW	APD
4304738262	KINGS CYN 9-32E	NESE	32	100S	190E	ML-047059		State	GW	APD
4304738342	LCU 12-12H	NWSW	12	110S	200E	FEE		Fee	GW	APD
4304738378	KINGS CYN 11-32E	NESW	32	100S	190E	ML-047059		State	GW	APD
4304738690	KINGS CYN 11-36D	NESW	36	100S	180E	ML-47058		State	GW	NEW
4304738779	KC 5-36D	SWNW	36	100S	180E	ML-47058		State	GW	APD
4304738781	KC 6-32E	SENW	32	100S	190E	ML-47059		State	GW	APD
4304738782	KC 15-32E	NWSE	32	100S	190E	ML-047059		State	GW	APD
4304738786	AP 11-2J	NESW	02	110S	190E	ML-36213		State	GW	APD
4304738787	AP 13-2J	SWSW	02	110S	190E	ML-36213		State	GW	APD
4304738950	KC 13-32E	SESW	32	100S	190E	ML-047059		State	GW	APD
4304739218	KC 14-32E	SESW	32	100S	190E	ML-047059		State	GW	APD
4304739219	KC 16-32E	SESE	32	100S	190E	ML-047059		State	GW	APD
4304739222	LCU 14-12H	SESW	12	110S	200E	FEE		Fee	GW	APD
4304739315	AP 12-2J	NWSW	02	110S	190E	ML-36213		State	GW	NEW

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:	ML-47059
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	N/A
7. UNIT or CA AGREEMENT NAME:	Undesignated
8. WELL NAME and NUMBER:	KC 15-32E
9. API NUMBER:	4304738782
10. FIELD AND POOL, OR WILDCAT:	Undesignated

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

2. NAME OF OPERATOR: XTO Energy, Inc.

3. ADDRESS OF OPERATOR: P.O. Box 1360 Roosevelt STATE CO ZIP 84066 PHONE NUMBER: (435) 722-4521

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1,289' FSL & 2,028' FEL COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSE 32 10S 19E S STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Permit Extension
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy, Inc. hereby requests a one year extension of the state permit for the referenced well.

This is the first extension that has been requested.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 10-29-07

By:

NAME (PLEASE PRINT) Marnie Griffin TITLE Agent for XTO Energy, Inc.

SIGNATURE DATE 10/26/2007

(This space for State use only)

COPY SENT TO OPERATOR
Date: 10.30.07
Initials: DM

(5/2000) (See Instructions on Reverse Side)

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738782
Well Name: KC 15-32E
Location: 1,289' FSL & 2,028' FEL
Company Permit Issued to: XTO Energy, Inc.
Date Original Permit Issued: 12/21/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐ No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐ No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐ No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐ No☑

Has the approved source of water for drilling changed? Yes☐ No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐ No☑

Is bonding still in place, which covers this proposed well? Yes☑ No☐

Signature

10 26 07
Date

Title: Agent

Representing: XTO Energy, Inc.

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DOGM COPY

FORM APPROVED
OMB NO. 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - *Other instructions on page 2*

5. Lease Serial No.
ML-47059

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
UNDESIGNATED

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
KC 15-32E

2. Name of Operator
XTO Energy Inc.

9. API Well No.
43-047-38782

3a. Address
382 CR 3100 Aztec, NM 87410

3b. Phone No. *(include area code)*
505-333-3100

10. Field and Pool, or Exploratory Area
UNDESIGNATED

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
1289' FSL & 2028' FEL SWSE SEC 32-T10S-R19E

11. County or Parish, State
UINTAH UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc., proposes to change the current drilling procedure per attached documents.

COPY SENT TO OPERATOR
Date: 11.3.2008
Initials: KS

RECEIVED
OCT 15 2008
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* JENNIFER M. HEMBRY Title FILE CLERK

Signature Jennifer M. Hembry Date 10/07/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Title Pet. Eng. Date 10/29/08

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office DOGM

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DOGM COPY

XTO ENERGY INC.

KC 15-32E
APD Data
October 3, 2008

Location: 1289' FSL & 2028' FEL, Sec. 32, T10S, R19E **County**: Uintah **State**: Utah
Bottomhole Location: 700' FSL & 1950' FEL, Sec. 32, T10S, R19E

GREATEST PROJECTED TD: 10072' MD/ 10000' TVD OBJECTIVE: Wasatch/Mesaverde
APPROX GR ELEV: 5365' Est KB ELEV: 5379' (14' AGL)

1. MUD PROGRAM:

INTERVAL	0' to 2255'	2255' to 10072'
HOLE SIZE	12.25"	7.875"
MUD TYPE	FW/Spud Mud	KCl Based LSND / Gel Chemical
WEIGHT	8.80 ppg	8.6-9.2 ppg
VISCOSITY	NC	30-60 sec-qt^{-1}
WATER LOSS	NC	8-15 cc/30 min

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes. The mud system will be monitored visually/manually.

2. CASING PROGRAM:

Surface Casing: 9.625" casing set at ±2255'MD/2200'TVD in a 12.25" hole filled with 8.8 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-2255'	2255'	36#	J-55	ST&C	2020	3520	394	8.921	8.765	2.57	4.47	4.85

Production Casing: 5.5" casing set at ±10072'MD/10000'TVD in a 7.875" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-10072'	10072'	17#	N-80	LT&C	6280	7740	348	4.892	4.767	1.66	2.05	2.03

Collapse and burst loads calculated at TVD with 0.1 psi/ft gas gradient back up.

3. WELLHEAD:

A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread on bottom (or slip-on, weld-on) and 11-3/4" 8rnd thread on top.
B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 5,000 psig WP, 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.

4. CEMENT PROGRAM:

A. Surface: 9.625", 36#, J-55 (or equiv.), ST&C casing to be set at ±2255' in 12.25" hole.

LEAD:
±223 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.0 ppg, 3.82 ft^3/sk, 22.95 gal wtr/sx.

TAIL:
350 sx Class G or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 15.6 ppg, 1.2 cuft/sx

Total estimated slurry volume for the 9.625" surface casing is 1270.1 ft^3. Slurry includes 75% excess of calculated open hole annular volume to 2255'.

B. Production: 5.5", 17#, N-80 (or equiv.), LT&C casing to be set at ±10072' in 7.875" hole.

LEAD:
±355 sx of Premium Plus V Blend. (Type V/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 11.6 ppg, 3.10 ft^3/sk, 17.71 gal wtr/sx.

TAIL:
400 sx Class G or equivalent cement with poz, bonding additive, LCM, dispersant, & fluid loss mixed at 13.0 ppg, 1.49 cuft/sx, 9.09 gal/sx.

Total estimated slurry volume for the 5.5" production casing is 1697.8 ft^3. Slurry includes 15% excess of calculated open hole annular volume.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 15% or greater excess. The cement is designed to circulate on surface casing string. The production casing is designed for 1755' top of cement..

5. LOGGING PROGRAM:

A. Mud Logger: The mud logger will come on at intermediate casing point and will remain on the hole until TD. The mud will be logged in 10' intervals.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (10072') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (10072') to 2255'. Run Gamma Ray to surface.

6. FORMATION TOPS:

Please see attached directional plan.

7. ANTICIPATED OIL, GAS, & WATER ZONES:

No Change.

8. BOP EQUIPMENT:

Surface will utilize a 500 psi or greater diverter.

Production hole will be drilled with a 3000 psi BOP stack.

Minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double ram with annular, 3000 psi w.p.

Ram type preventers and associated equipment shall be tested to stack working pressure if isolated by test plug or to 70% of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is

acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10% in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50% of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

a. when initially installed:

b. whenever any seal subject to test pressure is broken

c. following related repairs: and

d. at 30 day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) shall be held open or the ball removed.

Annular preventers (if used) shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

A BOPE pit level drill shall be conducted weekly for each drilling crew.

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No.2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests. Pressure tests shall apply to all related well control equipment.

BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Test pressures for BOP equipment are as follows:

Annular BOP -- 1500 psi
Ram type BOP -- 3000 psi
Kill line valves -- 3000 psi
Choke line valves and choke manifold valves -- 3000 psi
Chokes -- 3000 psi
Casing, casinghead & weld -- 1500 psi
Upper kelly cock and safety valve -- 3000 psi
Dart valve -- 3000 psi

Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The BLM in Vernal, UT shall be notified, at least 24 hours prior to initiating the pressure test, in order to have a BLM representative on location during pressure testing.

a. The size and rating of the BOP stack is shown on the attached diagram.

b. A choke line and a kill line are to be properly installed.

c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.

d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

e. See attached BOP & Choke manifold diagrams.

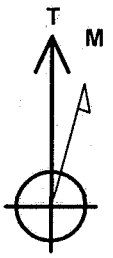
9. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
John Egelston	Drilling Engineer	505-333-3163	505-330-6902
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Jeff Jackson	Project Geologist	817-885-2800	

Well Name: KC 15-32E

San Juan Division
Drilling Department

Calculation Method: Minimum Curvature
Geodetic Datum: North American Datum 1983
Lat: 39° 53' 59.392 N
Long: 109° 48' 12.712 W



Azimuths to True North
Magnetic North: 11.52°

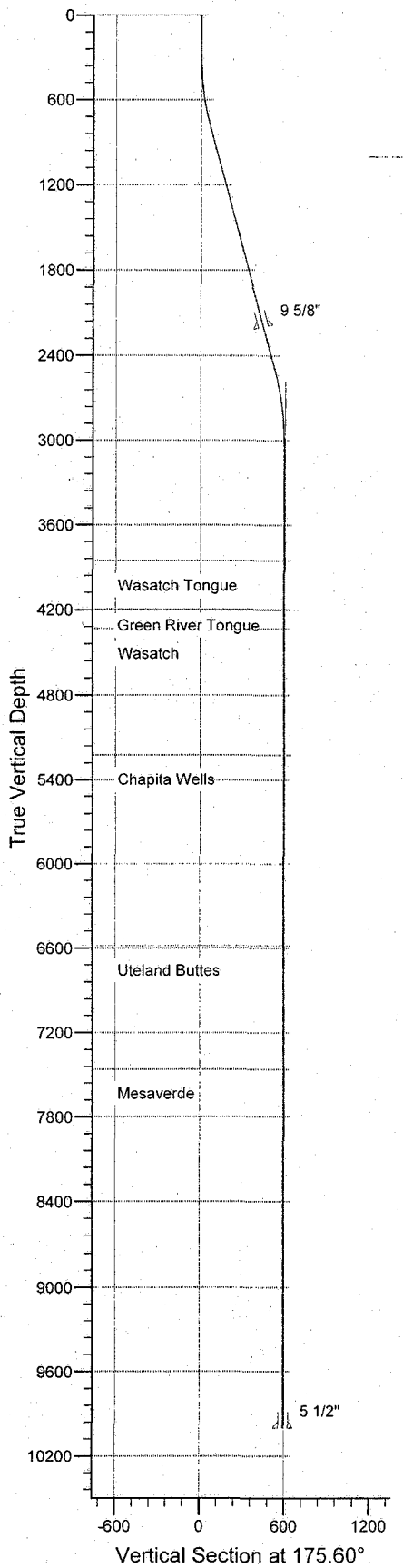
Magnetic Field
Strength: 52522.3nT
Dip Angle: 65.80°
Date: 10/3/2008
Model: IGRF200510

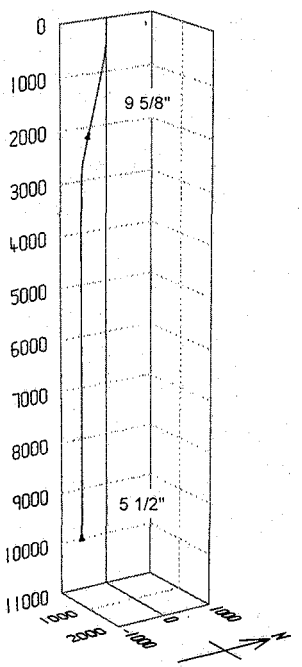
FORMATION TOP DETAILS

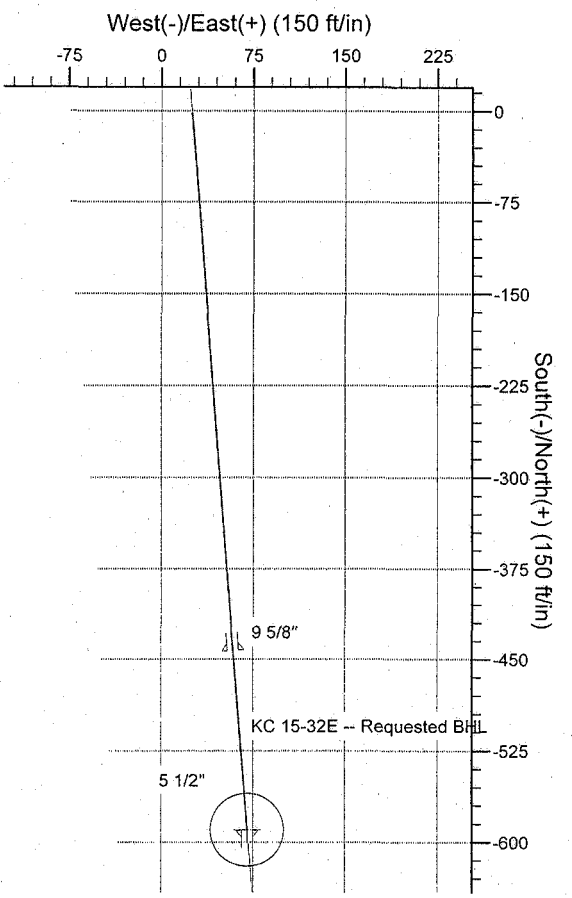
TVDPath	MDPath	Formation
3854.0	3925.8	Wasatch Tongue
4194.0	4265.8	Green River Tongue
4334.0	4405.8	Wasatch
5224.0	5295.8	Chapita Wells
6584.0	6655.8	Uteland Buttes
7459.0	7530.8	Mesaverde

CASING DETAILS

TVD	MD	Name	Size
2200.0	2255.3	9 5/8"	9-5/8
10000.0	10071.8	5 1/2"	5-1/2







SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	-2.2	25.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	-2.2	25.0	0.00	0.00	0.0	
3	800.0	15.00	175.60	794.3	-67.1	30.0	3.00	175.60	65.1	
4	2574.4	15.00	175.60	2508.3	-525.0	65.2	0.00	0.00	524.3	
5	3074.4	0.00	0.00	3002.6	-589.9	70.2	3.00	180.00	589.4	
6	4271.8	0.00	0.00	4200.0	-589.9	70.2	0.00	0.00	589.4	KC 15-32E -- Requested BHL
7	10071.8	0.00	0.00	10000.0	-589.9	70.2	0.00	0.00	589.4	

XTO Energy

Natural Buttes Wells(NAD83)
KC 10-32E
KC 15-32E
KC 15-32E

Plan: Sundry'd Wellbore

Standard Planning Report

03 October, 2008

XTO Energy, Inc.

Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Site KC 10-32E
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Site:	KC 10-32E	**North Reference:**	True
Well:	KC 15-32E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	KC 15-32E		
Design:	Sundry'd Wellbore		

Project	Natural Buttes Wells(NAD83), Vernal, UT		
Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Utah Northern Zone		

Site	KC 10-32E, T10S, R19E				
Site Position:		**Northing:**	3,127,534.25 ft	**Latitude:**	39° 53' 59.392 N
From:	Lat/Long	**Easting:**	2,116,478.42 ft	**Longitude:**	109° 48' 12.712 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	1.12 °

Well	KC 15-32E, S-Well to Wasatch/Mesaverde					
Well Position	**+N/-S**	-2.2 ft	**Northing:**	3,127,532.55 ft	**Latitude:**	39° 53' 59.370 N
	+E/-W	25.0 ft	**Easting:**	2,116,503.44 ft	**Longitude:**	109° 48' 12.391 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,365.0 ft	**Ground Level:**	5,365.0 ft

Wellbore	KC 15-32E				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF200510	10/3/2008	11.52	65.80	52,522

Design	Sundry'd Wellbore				
Audit Notes:					
Version:		**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	0.0	-2.2	25.0	175.60	

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	-2.2	25.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	-2.2	25.0	0.00	0.00	0.00	0.00	
800.0	15.00	175.60	794.3	-67.1	30.0	3.00	3.00	0.00	175.60	
2,574.4	15.00	175.60	2,508.3	-525.0	65.2	0.00	0.00	0.00	0.00	
3,074.4	0.00	0.00	3,002.6	-589.9	70.2	3.00	-3.00	0.00	180.00	
4,271.8	0.00	0.00	4,200.0	-589.9	70.2	0.00	0.00	0.00	0.00	KC 15-32E -- Reques
10,071.8	0.00	0.00	10,000.0	-589.9	70.2	0.00	0.00	0.00	0.00	

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Site KC 10-32E
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Site:	KC 10-32E	**North Reference:**	True
Well:	KC 15-32E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	KC 15-32E		
Design:	Sundry'd Wellbore		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	-2.2	25.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	-2.2	25.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	-2.2	25.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	-2.2	25.0	0.0	0.00	0.00	0.00
400.0	3.00	175.60	400.0	-4.8	25.2	2.6	3.00	3.00	0.00
500.0	6.00	175.60	499.6	-12.6	25.8	10.5	3.00	3.00	0.00
600.0	9.00	175.60	598.8	-25.6	26.8	23.5	3.00	3.00	0.00
700.0	12.00	175.60	697.1	-43.8	28.2	41.7	3.00	3.00	0.00
800.0	15.00	175.60	794.3	-67.1	30.0	65.1	3.00	3.00	0.00
900.0	15.00	175.60	890.9	-92.9	32.0	91.0	0.00	0.00	0.00
1,000.0	15.00	175.60	987.5	-118.7	33.9	116.8	0.00	0.00	0.00
1,100.0	15.00	175.60	1,084.1	-144.5	35.9	142.7	0.00	0.00	0.00
1,200.0	15.00	175.60	1,180.7	-170.3	37.9	168.6	0.00	0.00	0.00
1,300.0	15.00	175.60	1,277.3	-196.1	39.9	194.5	0.00	0.00	0.00
1,400.0	15.00	175.60	1,373.9	-221.9	41.9	220.4	0.00	0.00	0.00
1,500.0	15.00	175.60	1,470.5	-247.7	43.9	246.3	0.00	0.00	0.00
1,600.0	15.00	175.60	1,567.0	-273.5	45.9	272.1	0.00	0.00	0.00
1,700.0	15.00	175.60	1,663.6	-299.3	47.9	298.0	0.00	0.00	0.00
1,800.0	15.00	175.60	1,760.2	-325.1	49.8	323.9	0.00	0.00	0.00
1,900.0	15.00	175.60	1,856.8	-350.9	51.8	349.8	0.00	0.00	0.00
2,000.0	15.00	175.60	1,953.4	-376.7	53.8	375.7	0.00	0.00	0.00
2,100.0	15.00	175.60	2,050.0	-402.5	55.8	401.5	0.00	0.00	0.00
2,200.0	15.00	175.60	2,146.6	-428.3	57.8	427.4	0.00	0.00	0.00
2,255.3	15.00	175.60	2,200.0	-442.6	58.9	441.7	0.00	0.00	0.00
9 5/8"									
2,300.0	15.00	175.60	2,243.2	-454.2	59.8	453.3	0.00	0.00	0.00
2,400.0	15.00	175.60	2,339.8	-480.0	61.8	479.2	0.00	0.00	0.00
2,500.0	15.00	175.60	2,436.4	-505.8	63.8	505.1	0.00	0.00	0.00
2,574.4	15.00	175.60	2,508.3	-525.0	65.2	524.3	0.00	0.00	0.00
2,600.0	14.23	175.60	2,533.0	-531.4	65.7	530.8	3.00	-3.00	0.00
2,700.0	11.23	175.60	2,630.5	-553.4	67.4	552.8	3.00	-3.00	0.00
2,800.0	8.23	175.60	2,729.1	-570.2	68.7	569.7	3.00	-3.00	0.00
2,900.0	5.23	175.60	2,828.4	-581.9	69.6	581.4	3.00	-3.00	0.00
3,000.0	2.23	175.60	2,928.2	-588.4	70.1	588.0	3.00	-3.00	0.00
3,074.4	0.00	0.00	3,002.6	-589.9	70.2	589.4	3.00	-3.00	0.00
3,100.0	0.00	0.00	3,028.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,200.0	0.00	0.00	3,128.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,300.0	0.00	0.00	3,228.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,400.0	0.00	0.00	3,328.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,500.0	0.00	0.00	3,428.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,600.0	0.00	0.00	3,528.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,700.0	0.00	0.00	3,628.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,800.0	0.00	0.00	3,728.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,900.0	0.00	0.00	3,828.2	-589.9	70.2	589.4	0.00	0.00	0.00
3,925.8	0.00	0.00	3,854.0	-589.9	70.2	589.4	0.00	0.00	0.00
Wasatch Tongue									
4,000.0	0.00	0.00	3,928.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,100.0	0.00	0.00	4,028.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,200.0	0.00	0.00	4,128.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,265.8	0.00	0.00	4,194.0	-589.9	70.2	589.4	0.00	0.00	0.00
Green River Tongue									
4,271.8	0.00	0.00	4,200.0	-589.9	70.2	589.4	0.00	0.00	0.00
KC 15-32E -- Requested BHL									

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Site KC 10-32E
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Site:	KC 10-32E	**North Reference:**	True
Well:	KC 15-32E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	KC 15-32E		
Design:	Sundry'd Wellbore		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,300.0	0.00	0.00	4,228.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,400.0	0.00	0.00	4,328.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,405.8	0.00	0.00	4,334.0	-589.9	70.2	589.4	0.00	0.00	0.00
Wasatch									
4,500.0	0.00	0.00	4,428.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,600.0	0.00	0.00	4,528.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,700.0	0.00	0.00	4,628.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,800.0	0.00	0.00	4,728.2	-589.9	70.2	589.4	0.00	0.00	0.00
4,900.0	0.00	0.00	4,828.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,000.0	0.00	0.00	4,928.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,100.0	0.00	0.00	5,028.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,200.0	0.00	0.00	5,128.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,295.8	0.00	0.00	5,224.0	-589.9	70.2	589.4	0.00	0.00	0.00
Chapita Wells									
5,300.0	0.00	0.00	5,228.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,400.0	0.00	0.00	5,328.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,500.0	0.00	0.00	5,428.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,600.0	0.00	0.00	5,528.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,700.0	0.00	0.00	5,628.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,800.0	0.00	0.00	5,728.2	-589.9	70.2	589.4	0.00	0.00	0.00
5,900.0	0.00	0.00	5,828.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,928.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,028.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,128.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,228.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,328.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,428.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,528.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,655.8	0.00	0.00	6,584.0	-589.9	70.2	589.4	0.00	0.00	0.00
Uteland Buttes									
6,700.0	0.00	0.00	6,628.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,728.2	-589.9	70.2	589.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,828.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,928.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,028.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,128.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,228.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,328.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,428.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,530.8	0.00	0.00	7,459.0	-589.9	70.2	589.4	0.00	0.00	0.00
Mesaverde									
7,600.0	0.00	0.00	7,528.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,628.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,728.2	-589.9	70.2	589.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,828.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,928.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,100.0	0.00	0.00	8,028.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,128.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,228.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,328.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,428.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,528.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,628.2	-589.9	70.2	589.4	0.00	0.00	0.00

XTO Energy, Inc.

Planning Report

Database:	EDM 2003.14 Single User Db	**Local Co-ordinate Reference:**	Site KC 10-32E
Company:	XTO Energy	**TVD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Project:	Natural Buttes Wells(NAD83)	**MD Reference:**	Rig KB @ 5379.0ft (Frontier #6)
Site:	KC 10-32E	**North Reference:**	True
Well:	KC 15-32E	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	KC 15-32E		
Design:	Sundry'd Wellbore		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,800.0	0.00	0.00	8,728.2	-589.9	70.2	589.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,828.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,928.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,100.0	0.00	0.00	9,028.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,128.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,228.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,328.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,428.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,528.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,628.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,728.2	-589.9	70.2	589.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,828.2	-589.9	70.2	589.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,928.2	-589.9	70.2	589.4	0.00	0.00	0.00
10,071.8	0.00	0.00	10,000.0	-589.9	70.2	589.4	0.00	0.00	0.00
5 1/2"									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
KC 15-32E -- Requestec - plan hits target - Circle (radius 30.0)	0.00	0.00	4,200.0	-589.9	70.2	3,126,945.87	2,116,560.16	39° 53' 53.564 N	109° 48' 11.811 W

Casing Points

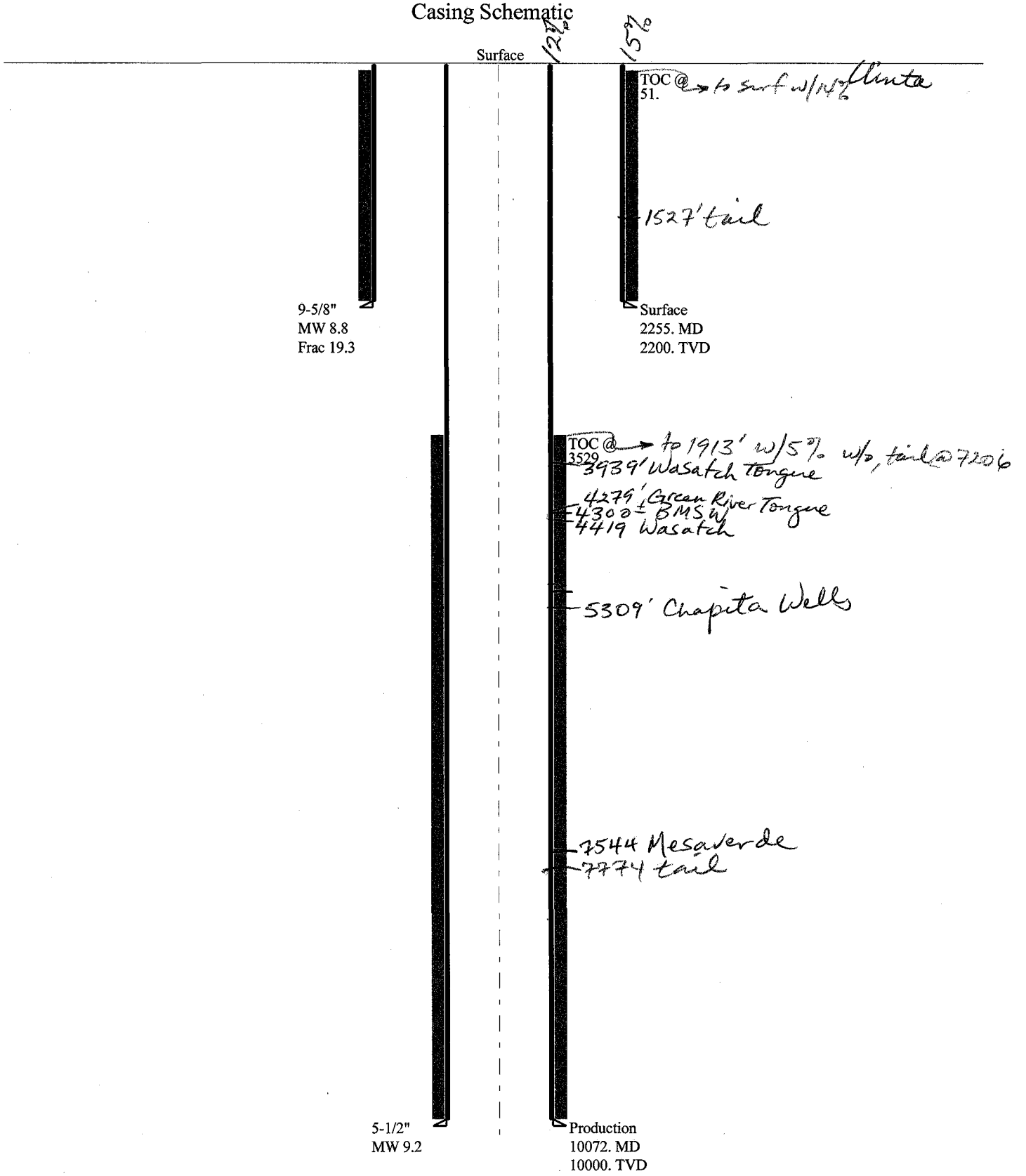
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
2,255.3	2,200.0	9 5/8"	9-5/8	12-1/4
10,071.8	10,000.0	5 1/2"	5-1/2	7-7/8

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,925.8	3,854.0	Wasatch Tongue		0.00	
4,265.8	4,194.0	Green River Tongue		0.00	
4,405.8	4,334.0	Wasatch		0.00	
5,295.8	5,224.0	Chapita Wells		0.00	
6,655.8	6,584.0	Uteland Buttes		0.00	
7,530.8	7,459.0	Mesaverde		0.00	

2006-12 XTO Kings Canyon 15-32E(rev 10-2008)

Casing Schematic



Well name:	**2006-12 XTO Kings Canyon 15-32E(rev 10-2008)**
Operator:	**XTO Energy Inc.**
String type:	Surface
Project ID:	43-047-38782-0000
Location:	Uintah County

Design parameters:

Collapse

Mud weight: 8.800 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,936 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 2,200 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)

8 Round LTC: 1.80 (J)

Buttress: 1.60 (J)

Premium: 1.50 (J)

Body yield: 1.50 (B)

Tension is based on buoyed weight.

Neutral point: 1,958 ft

Environment:

H2S considered? No

Surface temperature: 75 °F

Bottom hole temperature: 106 °F

Temperature gradient: 1.40 °F/100ft

Minimum section length: 500 ft

Cement top: 51 ft

Directional well information:

Kick-off point 300 ft

Departure at shoe: 442 ft

Maximum dogleg: 3 °/100ft

Inclination at shoe: 15 °

Re subsequent strings:

Next setting depth: 10,000 ft

Next mud weight: 9.200 ppg

Next setting BHP: 4,779 psi

Fracture mud wt: 19.250 ppg

Fracture depth: 2,200 ft

Injection pressure: 2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2255	9.625	36.00	J-55	ST&C	2200	2255	8.796	978.8

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1006	2020	2.009	2200	3520	1.60	69	394	5.72 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals

Phone: 801-538-5357

FAX: 801-359-3940

Date: October 27,2008

Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2200 ft, a mud weight of 8.8 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	**2006-12 XTO Kings Canyon 15-32E(rev 10-2008)**
Operator:	**XTO Energy Inc.**
String type:	Production
Project ID:	43-047-38782-0000
Location:	Uintah County

Design parameters:

Collapse
Mud weight: 9.200 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 2,579 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,779 psi

No backup mud specified.
Depth of change: 2,000 ft
Upper annular mud: 0.000 ppg

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 8,677 ft

Environment:
H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 215 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 3,529 ft

Directional well information:
Kick-off point 300 ft
Departure at shoe: 589 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	10072	5.5	17.00	N-80	LT&C	10000	10072	4.767	1314.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4779	6290	1.316	4779	7740	1.62	146	348	2.38 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: 801-538-5357
FAX: 801-359-3940
Date: October 23,2008
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 10000 ft, a mud weight of 9.2 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

BOPE REVIEW — XTO Kings Canyon 15-32E 43-047-38782-0000

INPUT

Well Name	XTO Kings Canyon 15-32E 43-047-38782-0000			
	String 1	String 2		
Casing Size (")	9 5/8	5 1/2		
Setting Depth (TVD)	2200	10000		
Previous Shoe Setting Depth (TVD)	500	2200		
Max Mud Weight (ppg)	8.8	9.2		
BOPE Proposed (psi)	0	3000		
Casing Internal Yield (psi)	3520	7740		
Operators Max Anticipated Pressure (psi)	2000	3.8 ppg		

Calculations	String 1	9 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW =	1007	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	743	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	523	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	633	NO (Reasonable depth - no expected pressure)
Required Casing/BOPE Test Pressure		2200	psi
*Max Pressure Allowed @ Previous Casing Shoe =		500	psi *Assumes 1psi/ft frac gradient

Calculations	String 2	5 1/2 "	
Max BHP [psi]	.052*Setting Depth*MW =	4784	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	3584	NO
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	2584	YES ✓
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	3068	NO OK.
Required Casing/BOPE Test Pressure		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe =		2200	psi *Assumes 1psi/ft frac gradient

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER: ML-47059

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME: Undesignated

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: KC 15-32E

2. NAME OF OPERATOR: XTO Energy, Inc.

9. API NUMBER: 4304738782

3. ADDRESS OF OPERATOR: P.O. Box 1360 CITY Roosevelt STATE UT ZIP 84066

PHONE NUMBER: (435) 722-4521

10. FIELD AND POOL, OR WILDCAT: Undesignated

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1,289' FSL & 2,028' FEL

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 32 10S 19E S

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Permit Extension
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy, Inc. hereby requests a one year extension of the state permit for the referenced well.

This is the second extension that has been requested.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 10/30/08

By: D. James

NAME (PLEASE PRINT) Kendell Johnson TITLE Agent for XTO Energy, Inc.

SIGNATURE Kendell Johnson DATE 9/22/2008

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

COPY SENT TO OPERATOR
Date: 10.30.2008
Initials: LCS

RECEIVED
OCT 27 2008
DIV OF OIL, GAS & MINING

[redacted]

Application for Permit to Drill
Request for Permit Extension
Validation
(this form should accompany the Sundry Notice requesting permit extension)

API: 4304738782
Well Name: KC 15-32E
Location: 1,289' FSL & 2,028' FEL Sec. 32, 10S-19E
Company Permit Issued to: XTO Energy, Inc.
Date Original Permit Issued: 12/21/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes☐No☑

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes☐No☑

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes☐No☑

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes☐No☑

Has the approved source of water for drilling changed? Yes☐No☑

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes☐No☑

Is bonding still in place, which covers this proposed well? Yes☑No☐

Kendell Johnson
Signature

9/22/2008
Date

Title: Kendell Johnson

Representing: XTO Energy, Inc.

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

December 23, 2009

Gasco Production Company
8 Inverness Dr. East, Ste. 100
Englewood, CO 80112

Re: APD Rescinded – KC 15-32E, Sec. 32 T. 10S, R. 19E
Uintah County, Utah API No. 43-047-38782

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on December 21, 2006. On October 29, 2007 and October 30, 2008, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective December 23, 2009.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
SITLA, Ed Bonner